CATH LAB ROOM 1 EQUIPMENT REPLACEMENT

OWNER

CHRISTUS Hospital St Elizabeth 2830 CALDER AVENUE BEAUMONT, TX 77701

Contact: ??? (409) ???-???? Phone: Email: ???@???.com

HOT WATER

INCLUDE(D)

INSULATION

INTERIOR

INVERT

JANITOR

KNOCK DOWN

KITCHEN

KNOCK OUT

LABORATORY

LAMINATE(D)

LINEAL FOOT

LEFT HAND REVERSE

LONG LEG HORIZONTAL

LIGHT WEIGHT CONCRETE

MEDIUM DENSITY FIBERBOARD

LONG LEG VERTICAL

LEFT HAND

LIVE LOAD

MACHINE

MASONRY

MATERIAL

MAXIMUM

MECHANICAL

MANUFACTURER

MISCELLANEOUS MASONRY OPENING MOISTURE RESISTANT

NOT APPLICABLE

NOT TO SCALE

ON CENTER

NOT IN CONTRACT

OUTSIDE DIAMETER

OWNER FURNISHED/

OWNER FURNISHED/

OWNER INSTALLED

OPPOSITE HAND (OR

(OR OVERFLOW DRAIN)

CONTRACTOR INSTALLED

T&B

T&G

TBD

TEL

TER

MEMBRANE

MEZZANINE

MANHOLE

MINIMUM

MIRROR

METAL

MULLION

NUMBER NOMINAL

LAVATORY

JOIST

JOINT

INCH

INSIDE DIAMETER

ABBREVIATIONS

A.B. A/C ACT A.D.	ANCHOR BOLT AIR CONDITIONING ACOUSTICAL CEILING TILE AREA DRAIN	DR DS DWR
ADA ADJ AFF ALT	AMERICANS WITH DISABILITIES ACT ADJUSTABLE ABOVE FINISH FLOOR ALTERNATE	EA EF EJ EIFS
ALUM ANOD APPROX ARCH ASPH	ALUMINUM ANODIZED	ELEC ELEV EMER ENCL EQ
BD BIT BLDG BLKG BM B.O. BOT	BOARD BITUMINOUS BUILDING BLOCKING BEAM BOTTOM OF BOTTOM	EQUIP EW EWC EXH EXIST EXP EXT
BRG BTWN BUR	BEARING BETWEEN BUILT-UP ROOF	FD FDN FE FEC
CAB CBU C/C CER C.G. C.I.P. C.J. CL CLG CLR CLOS CMU C.O. COL CONC CONC CONSTR CONT COORD CORR CTR C.Y. DBL	CABINET CEMENTITIOUS BACKER UNIT CENTER-TO-CENTER CEMENT CERAMIC CORNER GUARD CAST-IN-PLACE CONTROL JOINT CENTERLINE CEILING CLEAR(ANCE) CLOSET CONCRETE MASONRY UNIT CLEAN OUT COLUMN CONCRETE CONSTRUCTION CONTINUOUS COORDINATE CORRIDOR CENTER CUBIC YARD	FEC FF FFE FIN FLR FLUOR FM FO FOB FOC FOS FR FT FTG FURR GA GALV GB GC GL GND GR GWB GYP
DBL DEMO DEPT DIA DIAG DIM DISP DL DN	DOUBLE DEMOLITION DEPARTMENT DETAIL DIAMETER DIAGONAL DIMENSION DISPENSER DEAD LOAD DOWN	HB HC HDR HDWR HM HORIZ HT HVAC
MA	TERIAL LEC	GEND

CONCRETE

BRICK MASONRY

CONCRETE

MASONRY UNITS

PLYWOOD

GYPSUM BOARD

DOOR	HW
DOWNSPOUT DRAWER EACH EACH FACE / EXHAUST FAN	ID IN INCL INSUL
EXPANSION JOINT EXTERIOR INSULATED FINISH SYSTEM	INT INV
ELECTRICAL ELEVATION EMERGENCY ENCLOSURE	JAN JST JT
EQUAL EQUIPMENT EACH WAY ELECTRIC WATER COOLER	KD KIT KO
EXHAUST EXISTING EXPANSION / EXPOSED EXTERIOR	LAB LAM LAV LF LH
FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	LHR LL LLH LLV LWC
FINISH FLOOR FINISH FLOOR ELEVATION FINISH FLOOR FLUORESCENT FACTORY MUTUAL FACE OF (SPECIFY ITEM) FACE OF BRICK FACE OF CONCRETE FACE OF STUD FIRE RESISTIVE FEET / FOOT FOOTING FURRING / FURRED	MACH MAS MATL MAX MDF MECH MEMB MFR MEZZ MH MIN MIR MISC MO
GUAGE GALVANIZED GRAB BAR GENERAL CONTRACTOR GLASS / GLAZING GROUND GRADE GYPSUM WALLBOARD	MR MTL MULL N/A NIC NO. NOM
GYPSUM HOSE BIB	NTS OC OD
HOLLOW CORE HEADER HARDWARE	OFCI
HOLLOW METAL HORIZONTAL	OFOI
HEIGHT HEATING, VENTILATION, AND AIR CONDITIONING	ОН

SYMBOL KEY

OVERHEAD)

BLOCKING OR SHIM (CONTINUOUS)	07	DOOR NUMBER
	TS 15	TOILET ACCESSORY
BLOCKING OR SHIM (INTERMITTENT)	1 (A401)	INTERIOR ELEVATION MARK
RIGID INSULATION	1 A201	ENLARGED DETAIL
BATT INSULATION	()	
	1	KEYNOTE

OT: RONNE JONES	

2830 CALDER AVENUE

BEAUMONT, TX 77701

ARCHITECT

ARCHITECTURAL ALLIANCE, INCORPORATED 350 Pine Street Suite 720 Beaumont, Texas 77701

Contact: Phone: Email:

THK

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WDW

TI

Ronnie Jones (409) 866-7196 rjones@architect-aia.com

THICK(NESS)

MECHANICAL, ELECTRICAL, PLUMBING M&E Consulting

1304 Bertrand Drive Suite F7 Lafayette, Louisiana 70506

Contact: David Carroll, P.E Phone: (337) 234-7474 Email: david@meconsulting.com

OPNG OPP	OPENING OPPOSITE
PERP PL PLAM PLAS PLYWD PNL PNT PR PSF PSI PT PTN PVC	PERPENDICULAR PLATE (OR PROPERTY LINE) PLASTIC LAMINATE PLASTER PLYWOOD PANEL PAINT PAIR POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED PARTITION POLYVINYL CHLORIDE
RA RAD RD RCP REBAR REC REF REFR REINF REQD RES REV RH RHR RM RO RWL R&S	RECESSED REFERENCE REFRIGERATOR REINFORCING / REINFORCED
SC SCHED SF SHT SIM SPEC SQ SS ST STC STD STC STD STL STOR STRUCT SUSP SYM	SOLID CORE SCHEDULE SQUARE FEET SHEET SIMILAR SPECIFICATION SQUARE STAINLESS STEEL STONE SOUND TRANSMISSION CLASS STANDARD STEEL STORAGE STRUCTURAL SUSPENDED SYMMETRICAL
TAS	TEXAS ACCESSIBILITY STANDARDS

TOP AND BOTTOM

TO BE DETERMINED

TELEPHONE

TONGUE AND GROOVE

TENANT IMPROVEMENT TOP OF (SPECIFY ITEM) TOP OF CURB / CONCRETE TOP OF PARAPET TOP OF STEEL TOP OF WALL TOILET PARTITION TUBULAR STEEL TELEVISION TYPICAL UNDERCOUNTER UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE VINYL COMPOSITION TILE VENTILATION VERTICAL VESTIBULE VERIFY IN FIELD VAPOR RETARDER VENT THRU ROOF VINYL WALL COVERING WATER CLOSET WOOD WINDOW WITH WATER HEATER WITHOUT WATERPROOF WATER RESISTANT WEIGHT WELDED WIRE FABRIC WELDED WIRE MESH YARD

PROJECT INFORMATION

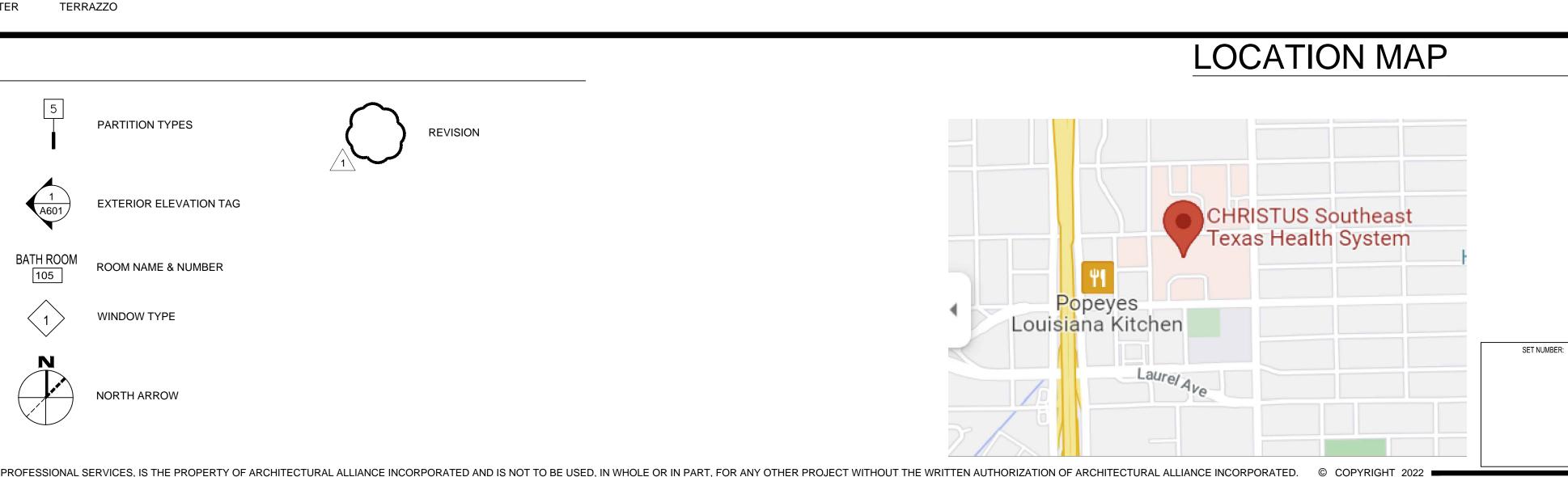
APPLICABLE CODES AND STANDARDS

- A. 2015 INTERNATIONAL BUILDING CODE
- B. 2015 INTERNATIONAL PLUMBING CODE C. 2015 INTERNATIONAL MECHANICAL CODE
- B. 2015 INTERNATIONAL ENERGY CONSERVATION CODES
- G. 2014 NFPA 70-NATIONAL ELECTRIC CODE H. 2012 TEXAS ACCESSIBILITY STANDARDS (TAS)
- I. 2014 ICC 600 WINDSTORM

BUILDING TYPE: 1 (332) GROUP: I - Institutional

SPRINKLER SYSTEM: Yes

INTERNATIONAL EXISTING BUILDING CODE **CHAPTER 7 LEVEL 2 ALTERATIONS**



Sheet Number	Sheet Title
General	
G001	Cover Sheet
G100	Texas Accessibility Sheet
G101	Texas Accessibility Sheet
G102	Texas Accessibility Sheet
G200	Life Safety
Architectural	
A101	Floor Plan
A102	FIRST FLOOR RADIOLOGY DEPT OVERLAY
A200	Details
A300	Reflected Ceiling Plan
A301	CEILING DETAILS
A400	Interior Elevations
A500	Millwork Details
Mechanical	
M0.0	Mechanical General Information
M1.1	Mechanical Demo and New Construction
M2.1	Mechanical Schedules and Details
Electrical	
E0.0	Electrical General Information
E1.1	Electrical Overall Plan
E2.1	Electrical Demo and New Construction Lighting
E3.1	Electrical Power, Special Systems, Mech Powe
E4.1	Electrical Details and Legend
E5.1	Electrical Schedules and Riser Diagram
Plumbing and F	ire Protection
P2.1	Plumbing and Fire Protection
P3.1	Plumbing Schedules and Details
Medical Gas	
MG2.1	Medical Gas Demo and New Construction

720		NA.	Architectural Alliance Incorporated
350 Pine Street, Suite 720 350 Pine Street, Suite 720 Edison Plaza SG 350 Pine Street, Suite 720 Edison Plaza SG 350 Pine Street, Suite 720 Beaumont, Texas 77701	961/-998 (607) XYJ R. CLARK REG.# 82 5/17/2 OCUMENT ED FOR B	022	www.architectall.com
PURPO RONALD TEXAS F DATE: THIS DO BE USEI	M. JONES REG.# 136 5/17/20 CUMENT M D FOR BID OR CONS	5, AIA 62 022 IAY NOT DING,	v
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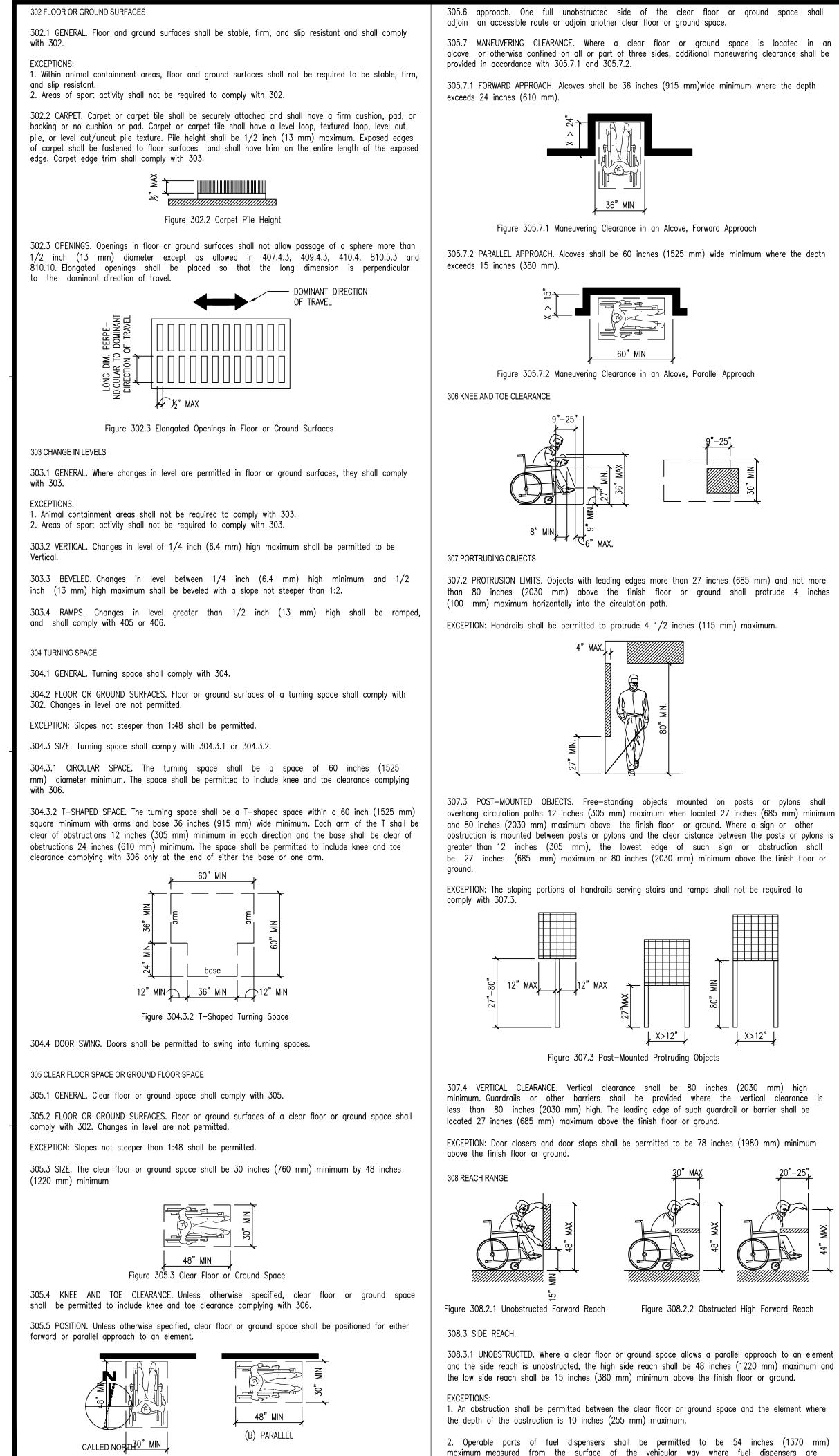


Figure 305.5 Position of Clear Floor or Ground Space

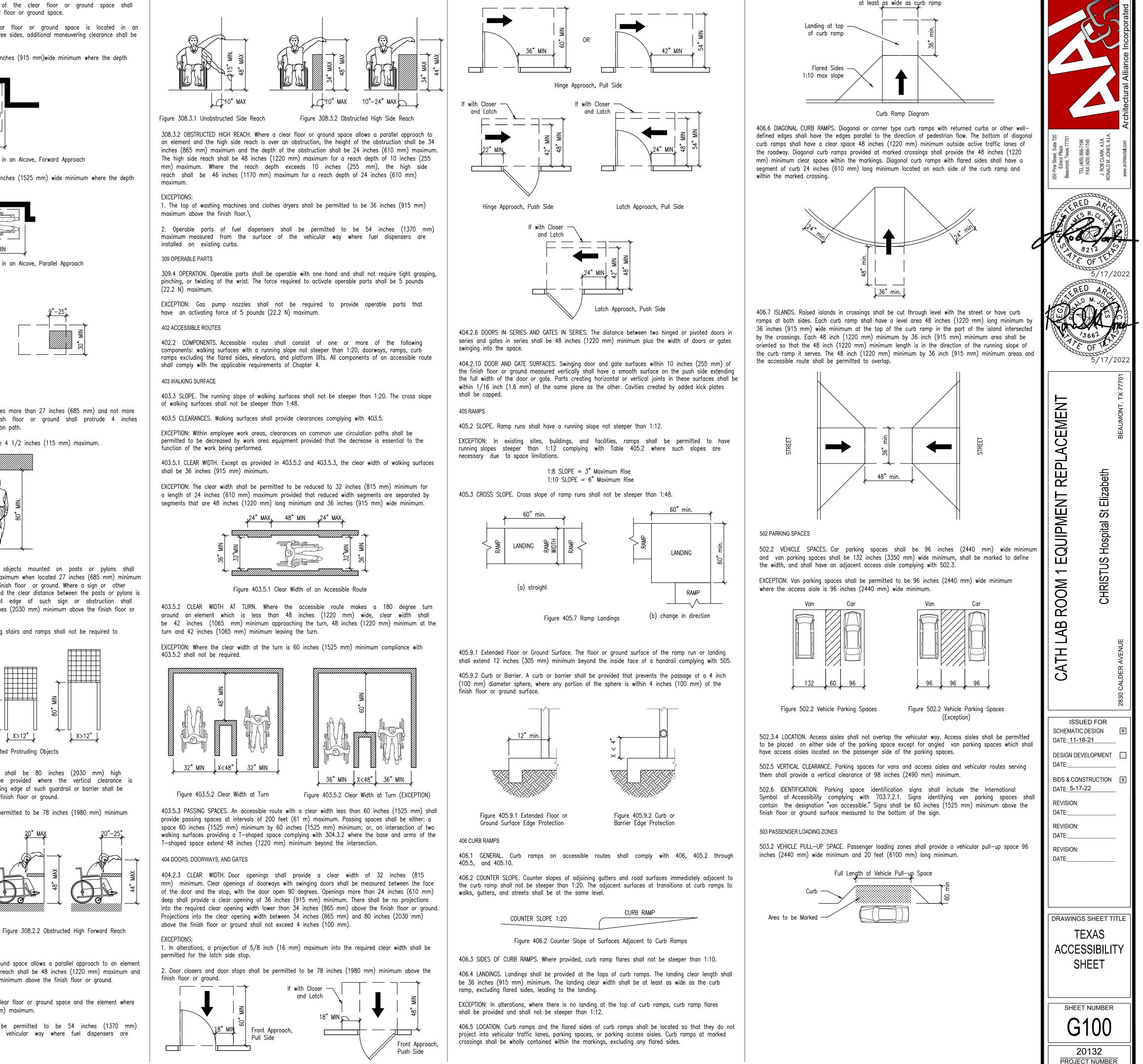
(A) FORWARE

1. An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches (255 mm) maximum.

> 2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

60" MIN

+ + + +



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504.2 TREADS AND RISERS. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches (100 mm) high minimum and 7 inches (180 mm) high maximum. Treads shall be 11 inches (280 mm) deep minimum.

504.3 OPEN RISERS. Open risers are not permitted.

504.4 TREAD SURFACE. Stair treads shall comply with 302. Changes in level are not permitted.

EXCEPTION: Treads shall be permitted to have a slope not steeper than 1:48.

504.5 NOSINGS. The radius of curvature at the leading edge of the tread shall be 1/2 inch (13 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an anale of 30 dearees maximum from vertical. The permitted projection of the nosing shall extend $1 \frac{1}{2}$ inches (38 mm) maximum over the tread below.

505 HANDRAILS

505.2 WHERE REQUIRED. Handrails shall be provided on both sides of stairs and ramps.

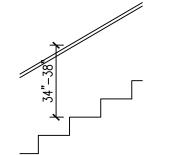
EXCEPTION: In assembly areas, handrails shall not be required on both sides of aisle ramps where a handrail is provided at either side or within the aisle width.

505.3 CONTINUITY. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.

EXCEPTION: In assembly areas, handrails on ramps shall not be required to be continuous in aisles serving seating.

505.4 HEIGHT. Top of gripping surfaces of handrails shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

505.5 CLEARANCE. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches (38 mm) minimum.



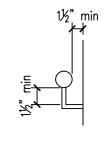


Figure 505.4 Handrail Height

Handrail Clearances

505.6 GRIPPING SURFACE. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface.

EXCEPTIONS:

I. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards.

2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8 inch (3.2 mm) for each 1/2 inch (13 mm) of additional handrail perimeter dimension that exceeds 4 inches (100 mm).

505.7.1 CIRCULAR CROSS SECTION. Handrail aripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

505.7.2 NON—CIRCULAR CROSS SECTIONS. Handrail gripping surfaces with a non—circular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum.



 $4 - 6\frac{1}{4}$ " perimeter on both

505.10.1 TOP AND BOTTOM EXTENSION AT RAMPS. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.

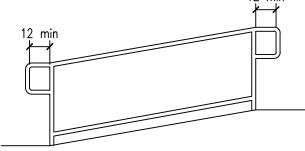
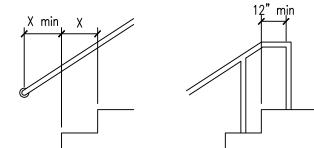


Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

505.10.2 TOP EXTENSION AT STAIRS. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

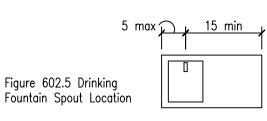
505.10.3 BOTTOM EXTENSION AT STAIRS. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.



Top and Bottom Handrail Extension at Stairs

602 DRINKING FOUNTAINS

602.2 CLEAR FLOOR SPACE. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.



602.6 WATER FLOW. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The anale of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the anale of the water stream shall be 15 degrees maximum.

602.7 DRINKING FOUNTAINS FOR STANDING PERSONS. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

603 TOILET AND BATHING ROOMS

603.2.2 OVERLAP. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 DOOR SWING. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

FXCEPTIONS 1. Doors to a toilet room or bathing room for a single occupant accessed only through a private office and not for common use or public use shall be permitted to swing into the clear floor space or clearance provided the swing of the door can be reversed to comply with 603.2.3.

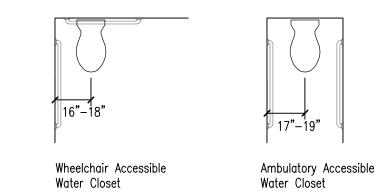
2. Where the toilet room or bathing room is for individual use and a clear floor space complying with 305.3 is provided within the room beyond the arc of the door swing, doors shall be permitted to swing into the clear floor space or clearance required for any fixture.

603.3 MIRRORS. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or around.

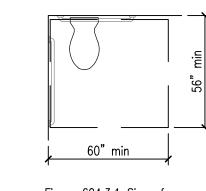
603.4 COAT HOOKS AND SHELVES. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604 WATER CLOSETS AND TOILET COMPARTMENTS

604.2 LOCATION. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.



604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.



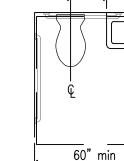
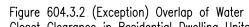
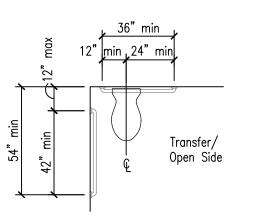


Figure 604.3.1 Size of Clearance at Water Closets





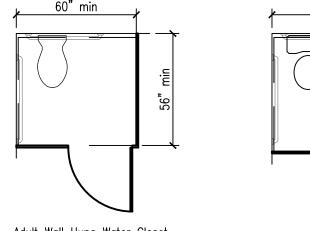
Grab Bars at Water Closets

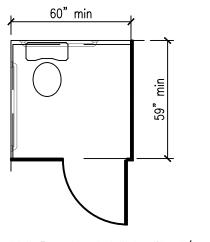
EXCEPTIONS:

1. The rear grab bar shall be permitted to be 24 inches (610 mm) long minimum, centered on the water closet, where wall space does not permit a length of 36 inches (915 mm) minimum due to the location of a recessed fixture adjacent to the water closet.

EXCEPTIONS: 2. Where an administrative authority requires flush controls for flush valves to be located 1. A parallel approach complying with 305 shall be permitted to a kitchen sink in a space where a in a position that conflicts with the location of the rear arab bar, then the rear cook top or conventional range is not provided and to wet bars. grab bar shall be permitted to be split or shifted to the open side of the toilet area.

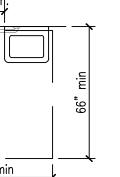
604.7 DISPENSERS. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind arab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.



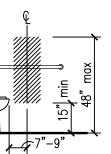


Adult Wall Hung Water Closet

Children Water Closet



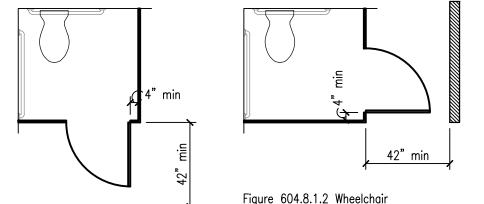
Closet Clearance in Residential Dwelling Units



Dispenser Outlet Location

Adult Floor Mounted Water Closet/

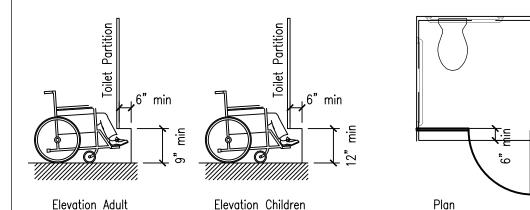
604.8.1.2 DOORS. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.



Accessible Toilet Compartment Doors

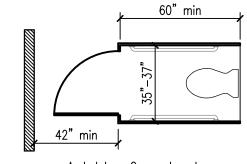
604.8.1.4 TOE CLEARANCE. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.

EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floormounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is areater than 65 inches (1650 mm) deep.

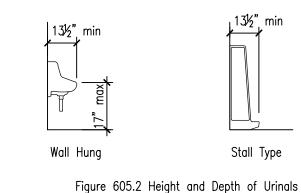


604.8.2.1 SIZE. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 DOORS. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.



605.2 HEIGHT AND DEPTH. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.



606 LAVATORIES AND SINKS

606.2 CLEAR FLOOR SPACE. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.

2. A lavatory in a toilet room or bathing facility for a single occupant accessed only through a private office and not for common use or public use shall not be required to provide knee and toe clearance complying with 306.

3. In residential dwelling units, cabinetry shall be permitted under lavatories and kitchen sinks provided that all of the following conditions are met: (a) the cabinetry can be removed without removal or replacement of the fixture;

(b) the finish floor extends under the cabinetry; and (c) the walls behind and surrounding the cabinetry are finished.

4. A knee clearance of 24 inches (610 mm) minimum above the finish floor or ground shall be permitted at lavatories and sinks used primarily by children 6 through 12 years where the rim or counter surface is 31 inches (785 mm) maximum above the finish floor or ground.

5. A parallel approach complying with 305 shall be permitted to lavatories and sinks used primarily by children 5 years and younger.

6. The dip of the overflow shall not be considered in determining knee and toe clearances.

7. No more than one bowl of a multi-bowl sink shall be required to provide knee and toe clearance complying with 306.

606.3 HEIGHT. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

606.4 FAUCETS. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

607 BATHTUBS

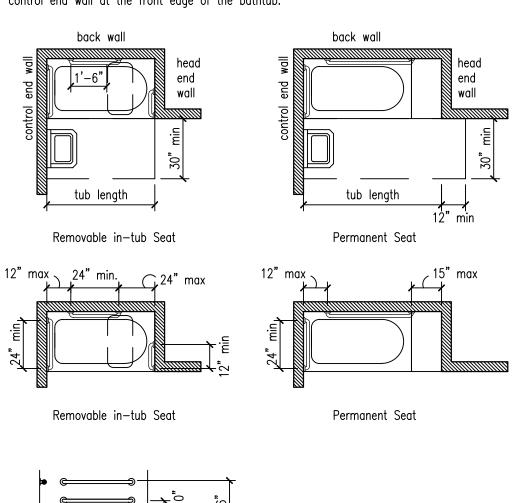
607.2 CLEARANCE. Clearance in front of bathtubs shall extend the length of the bathtub and shall be 30 inches (760 mm) wide minimum. A lavatory complying with 606 shall be permitted at the control end of the clearance. Where a permanent seat is provided at the head end of the bathtub, the clearance shall extend 12 inches (305 mm) minimum beyond the wall at the head end of the bathtub.

in-tub seat shall be provided. Seats shall comply with 610.

607.4 GRAB BARS. Grab bars for bathtubs shall comply with 609 and shall be provided in accordance with 607.4.1 or 607.4.2.

607.4.1 BATHTUBS WITH PERMANENT SEATS. For bathtubs with permanent seats, grab bars shall be provided in accordance with 607.4.1.

607.4.1.1 BACK WALL. Two grab bars shall be installed on the back wall, one located in accordance with 609.4 and the other located 8 inches (205 mm) minimum and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be installed 15 inches (380 mm) maximum from the head end wall and 12 inches (305 mm) maximum from the control end wall. 607.4.1.2 CONTROL END WALL. A grab bar 24 inches (610 mm) long minimum shall be installed on the control end wall at the front edge of the bathtub.



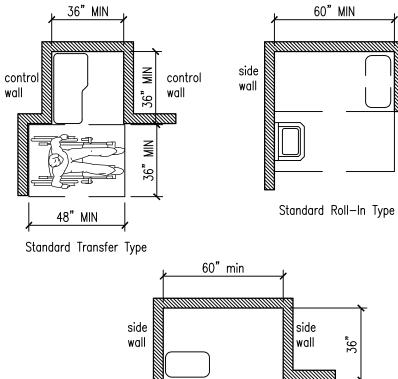


607.5 CONTROLS. Controls, other than drain stoppers, shall be located on an end wall. Controls shall be between the bathtub rim and grab bar, and between the open side of the bathtub and the centerline of the width of the bathtub. Controls shall comply with 309.4.

607.6 SHOWER SPRAY UNIT AND WATER. A shower spray unit with a hose 59 inches (1500 mm) long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. The shower spray unit shall have an on/off control with a non-positive shut-off. If an adjustable-height shower head on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars. Bathtub shower spray units shall deliver water that is 120°F (49°C) maximum.

608 SHOWER COMPARTMENTS

608.2.1 TRANSFER TYPE SHOWER COMPARTMENTS. Transfer type shower compartments shall be 36 inches (915 mm) by 36 inches (915 mm) clear inside dimensions measured at the center points of opposing sides and shall have a 36 inch (915 mm) wide minimum entry on the face of the shower compartment. Clearance of 36 inches (915 mm) wide minimum by 48 inches (1220 mm) long minimum measured from the control wall shall be provided.



609 GRAB BARS

609.2.1 CIRCULAR CROSS SECTION. Grab bars with circular cross sections shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

Alternate Roll-In Type

609.2.2 NON-CIRCULAR CROSS SECTION. Grab bars with non-circular cross sections shall have a cross-section dimension of 2 inches (51 mm) maximum and a perimeter dimension of 4 inches (100 mm) minimum and 4.8 inches (120 mm) maximum.

609.3 SPACING. The space between the wall and the grab bar shall be 1 1/2 inches (38 mm). The space between the grab bar and projecting objects below and at the ends shall be $1 \frac{1}{2}$ inches (38) mm) minimum. The space between the grab bar and projecting objects above shall be 12 inches (305 mm) minimum.

609.4 POSITION OF GRAB BARS. Grab bars shall be installed in a horizontal position, 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use complying with 604.9, grab bars shall be installed in a horizontal position 18 inches (455 mm) minimum and 27 inches (685 mm) maximum above the finish floor measured to the top of the gripping surface. The height of the lower grab bar on the back wall of a bathtub shall comply with 607.4.1.1 or 607.4.2.1.

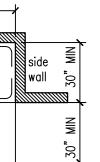
609.5 SURFACE HAZARDS. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges.

609.6 FITTINGS. Grab bars shall not rotate within their fittings.

609.7 INSTALLATION. Grab bars shall be installed in any manner that provides a gripping surface at the specified locations and that does not obstruct the required clear floor space.

Ambulatory Compartment

607.3 SEAT. A permanent seat at the head end of the bathtub or a removable



609.8 STRUCTURAL STRENGTH. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the grab bar, fastener, mounting device, or supporting structure.

610 SEATS

610.2 BATHTUB SEATS. The top of bathtub seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. The depth of a removable in-tub seat shall be 15 inches (380 mm) minimum and 16 inches (405 mm) maximum. The seat shall be capable of secure placement. Permanent seats at the head end of the bathtub shall be 15 inches (380 mm) deep minimum and shall extend from the back wall to or beyond the outer edae of the bathtub.

610.3 SHOWER COMPARTMENT SEATS. Where a seat is provided in a standard roll-in shower compartment, it shall be a folding type, shall be installed on the side wall adjacent to the controls. and shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. Where a seat is provided in an alternate roll-in type shower compartment, it shall be a folding type. shall be installed on the front wall opposite the back wall, and shall extend from the adjacent side wall to a point within 3 inches (75 mm) of the compartment entry. In transfer-type showers, the seat shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. The top of the seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. Seats shall comply with 610.3.1 or 610.3.2.

610.3.1 RECTANGULAR SEATS. The rear edge of a rectangular seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The side edge of the seat shall be 1 1/2 inches (38 mm) maximum from the adjacent

610.3.2 L-SHAPED SEATS. The rear edge of an L-shaped seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches maximum (585 mm) from the main seat wall.

702 FIRE ALARM SYSTEMS

72 (2002 edition).

703 SIGNS

provided in accordance with industry practice.

with tactile characters, shall be provided.

703.2.2 CASE. Characters shall be uppercase.

the height of the uppercase letter "I".

of the uppercase letter "I".

acronyms.

mm).

705 DETECTABLE WARNINGS

adjacent domes on a square grid.

either light-on-dark, or dark-on-light

708 TWO-WAY COMMUNICATION SYSTEMS

residential dwelling unit interface.

common use or public use system interface.

script, highly decorative, or of other unusual forms.

separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.3 BRAILLE. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

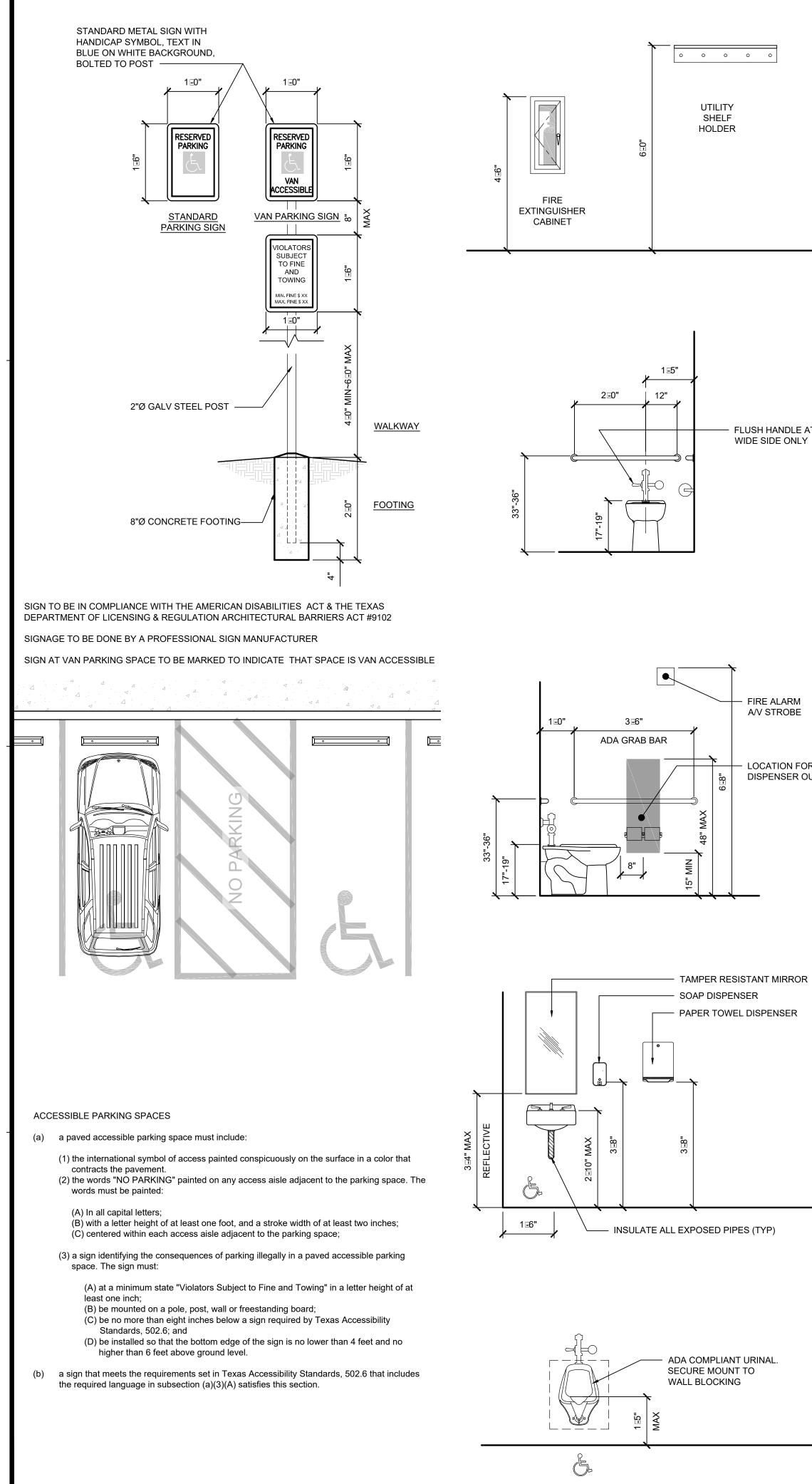
708.3 HANDSETS. Handset cords, if provided, shall be 29 inches (735 mm) long minimum.

a residential dwelling unit and a site, building, or floor entrance shall comply with 708.4.

708.4.2 RESIDENTIAL DWELLING UNIT INTERFACE. The residential dwelling unit system

<u>8</u>8 (409 (409 TEL RED AR 5/17/2022 702.1 GENERAL. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall 5/17/2022 comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA EXCEPTION: Fire alarm systems in medical care facilities shall be permitted to be . Z EM 703.1 GENERAL. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one \mathbf{O} \triangleleft 703.2 RAISED CHARACTERS. Raised characters shall comply with 703.2 and shall be Δ duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with ш $\mathbf{\mathcal{L}}$ 703.2.1 DEPTH. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background. R ш S PM 703.2.3 STYLE. Characters shall be sans serif. Characters shall not be italic, obliaue, -703.2.4 CHARACTER PROPORTIONS. Characters shall be selected from fonts where the width of the uppercase letter "0" is 55 percent minimum and 110 percent maximum of the height Ĭ Ø NS ш 703.2.5 CHARACTER HEIGHT. Character height measured vertically from the baseline of the character $\overline{}$ IRIS. shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on MO \bigcirc 703.2.6 STROKE THICKNESS. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum R of the height of the character, 703.2.7 Character Spacing, Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word ш spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width _ maximum. Where characters have other cross sections, spacing between individual raised characters Т shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be \triangleleft $(\mathbf{\dot{)}}$ 703.2.8 LINE SPACING. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height. ISSUED FOR 703.3.1 DIMENSIONS AND CAPITALIZATION. Braille dots shall have a domed or rounded shape and shall SCHEMATIC DESIGN comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before DATE: 11-18-21 the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and DESIGN DEVELOPMENT DATE: BIDS & CONSTRUCTION 705.1.1 DOME SIZE. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (23 mm) minimum and 1.4 inches (36 mm) maximum, a top diameter of 50 percent of the DATE: 5-17-22 base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inch (5.1 REVISION: DATE: 705.1.2 DOME SPACING. Truncated domes in a detectable warning surface shall have a **REVISION:** center—to—center spacing of 1.6 inches (41 mm) minimum and 2.4 inches (61 mm) maximum, and a base—to—base spacing of 0.65 inch (17 mm) minimum, measured between the most DATE: REVISION: 705.1.3 CONTRAST. Detectable warning surfaces shall contrast visually with adjacent walking surfaces DATE: 708.4 RESIDENTIAL DWELLING UNIT COMMUNICATION SYSTEMS. Communications systems between DRAWINGS SHEET TITLE TEXAS 708.4.1 COMMON USE OR PUBLIC USE SYSTEM INTERFACE. The common use or public use system interface shall include the capability of supporting voice and TTY communication with the ACCESSIBILITY SHEET interface shall include a telephone jack capable of supporting voice and TTY communication with the SHEET NUMBER

> 20132 PROJECT NUMBER

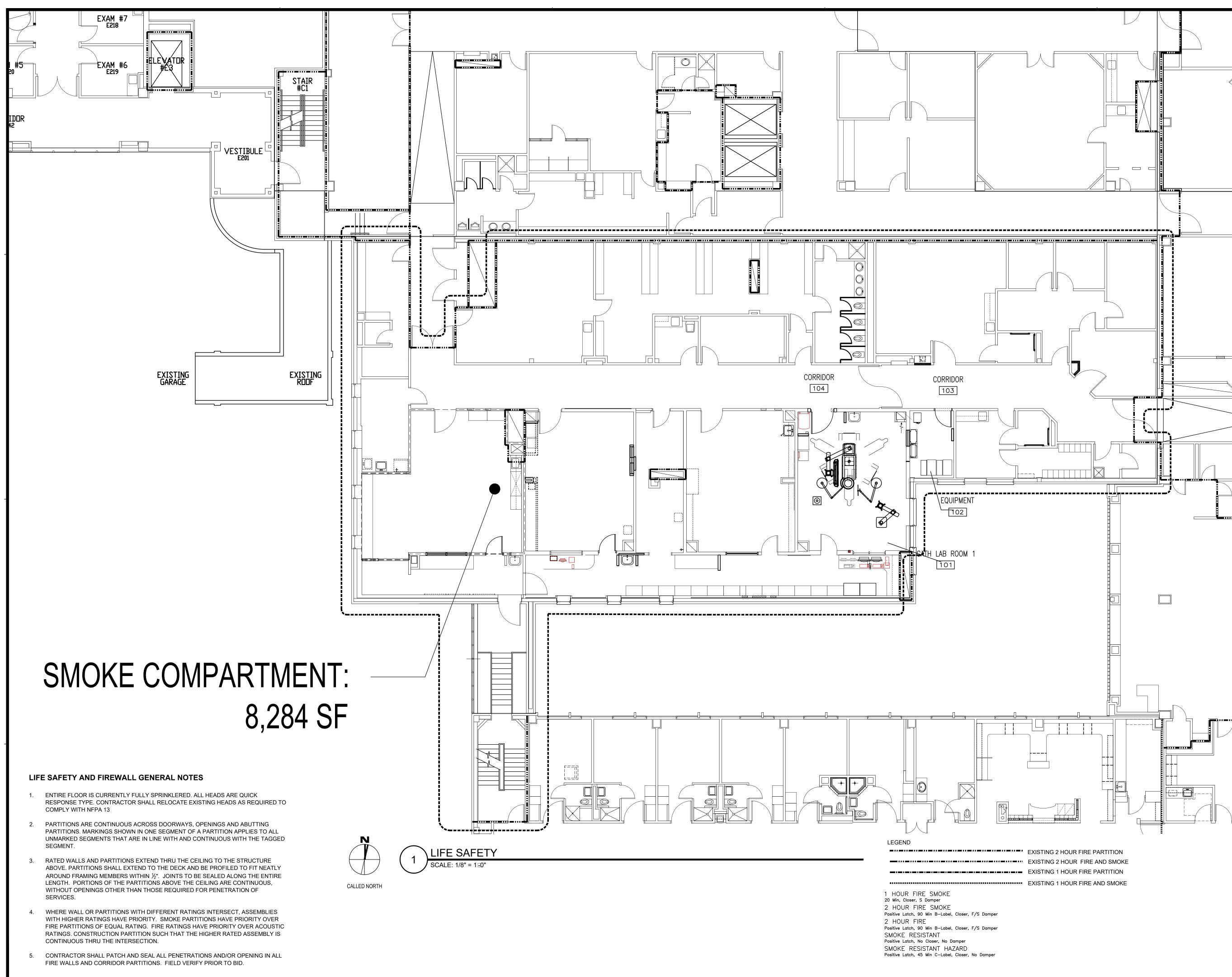


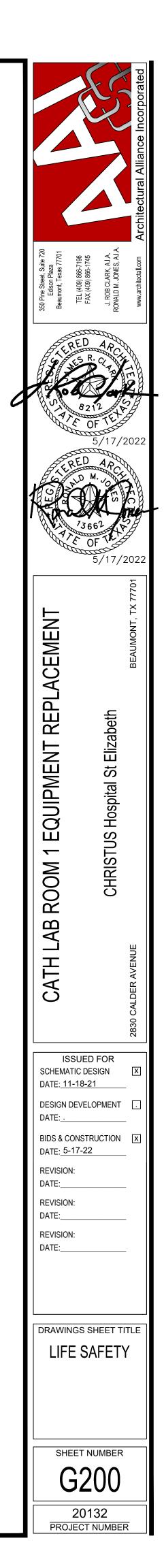
- FLUSH HANDLE AT WIDE SIDE ONLY

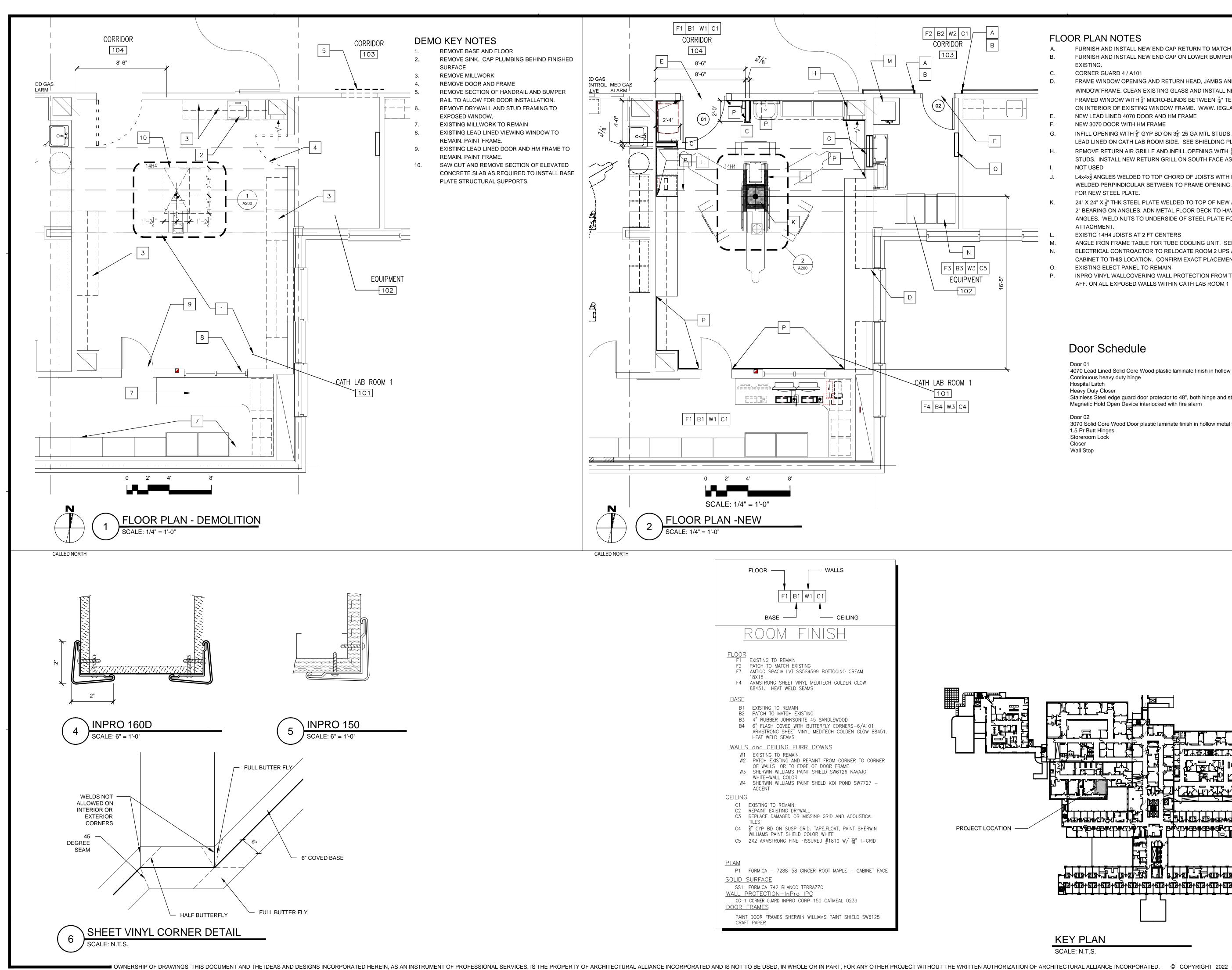
- FIRE ALARM A/V STROBE

LOCATION FOR DISPENSER OUTLET

350 Pine Street, Suite 720 Edison Plaza Beaumont, Texas 77701	TEL (409) 866-7196 FAX (409) 866-7196 FAX (409) 866-7145 J. ROB CLARK, AI.A. RONALD M. JONES, A.I.A. RONALD M. JONES, A.I.A.	www.architectal.com Architectural Alliance Incorporated
	13662 5/17/	2022
CATH LAB ROOM 1 EQUIPMENT REPLACEMENT	CHRISTUS Hospital St Elizabeth	2830 CALDER AVENUE BEAUMONT, TX 77701
SCHEMA DATE: 11 DESIGN I DATE: BIDS & C DATE: 5- REVISION DATE: REVISION DATE: REVISION	N:	
ACC	IGS SHEET T TEXAS ESSIBILI SHEET	
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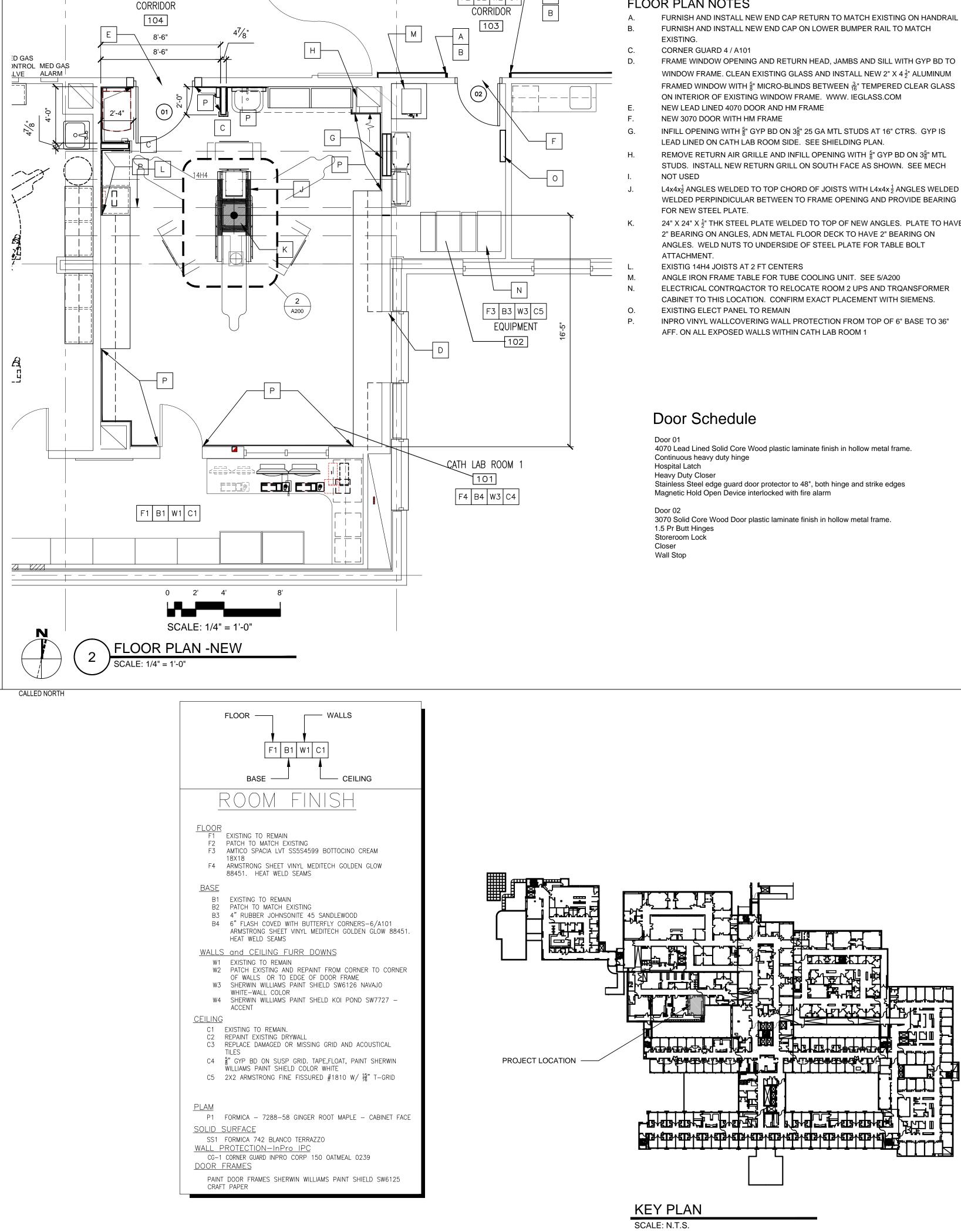


REMOVE BASE AND FLOOR

REMOVE SINK. CAP PLUMBING BEHIND FINISHED

F1 B1 W1 C1

- **REMOVE MILLWORK**
- REMOVE DOOR AND FRAME
- REMOVE SECTION OF HANDRAIL AND BUMPER RAIL TO ALLOW FOR DOOR INSTALLATION.
- REMOVE DRYWALL AND STUD FRAMING TO
- EXPOSED WINDOW,
- EXISTING MILLWORK TO REMAIN
- EXISTING LEAD LINED VIEWING WINDOW TO
- REMAIN. PAINT FRAME. EXISTING LEAD LINED DOOR AND HM FRAME TO
- REMAIN. PAINT FRAME. SAW CUT AND REMOVE SECTION OF ELEVATED
- CONCRETE SLAB AS REQUIRED TO INSTALL BASE PLATE STRUCTURAL SUPPORTS.

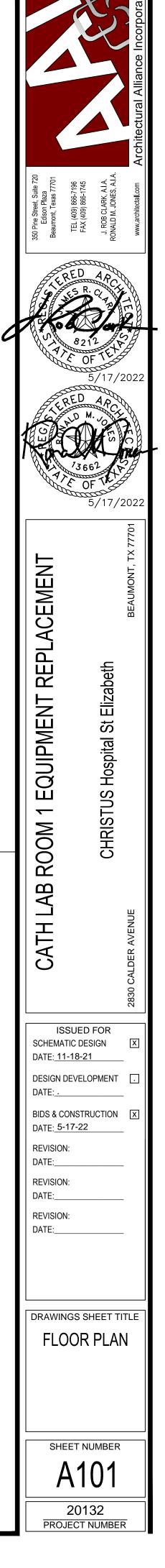


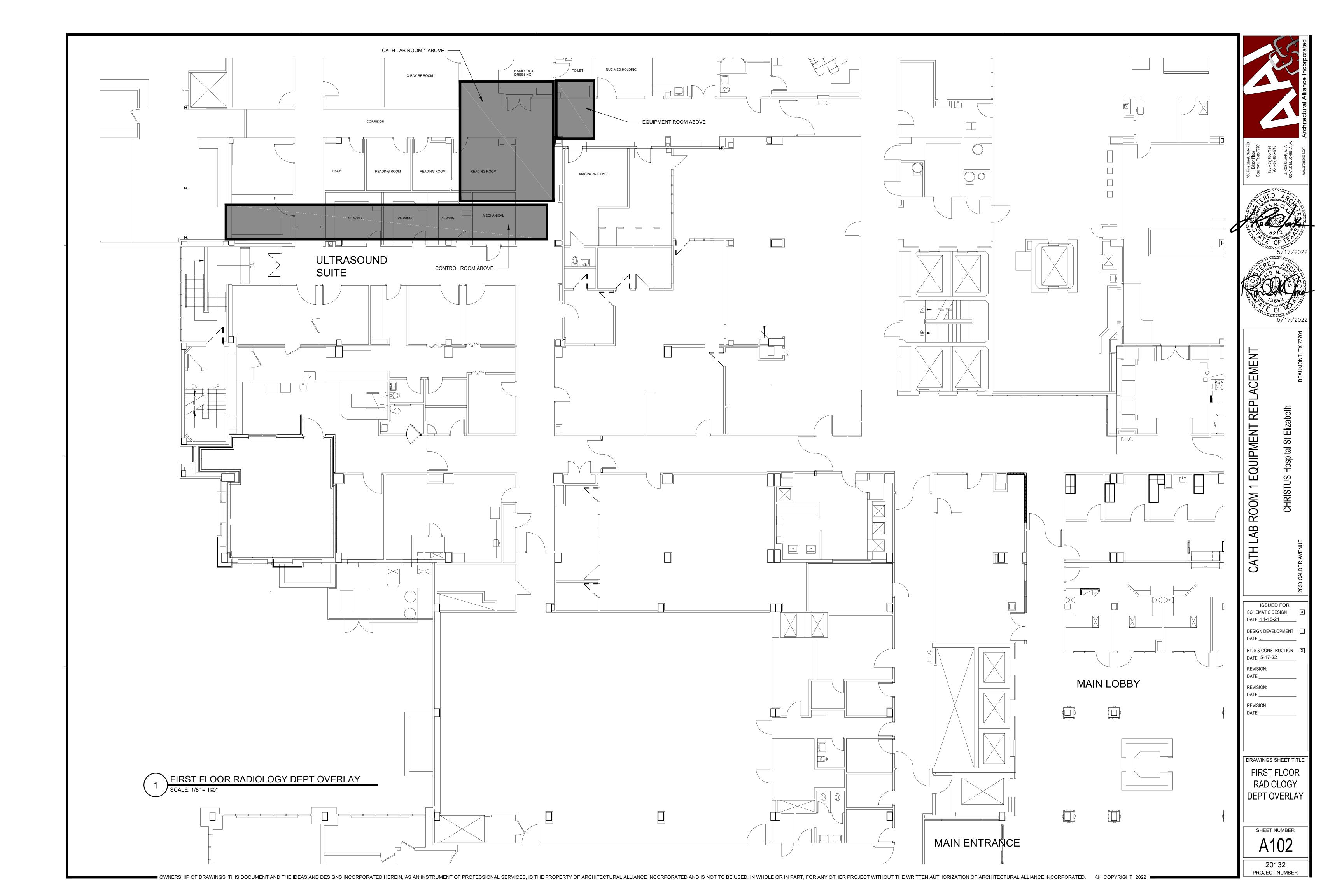
F2 B2 W2 C1 CORRIDOR B
103
В
F
F3 B3 W3 C5
EQUIPMENT بە

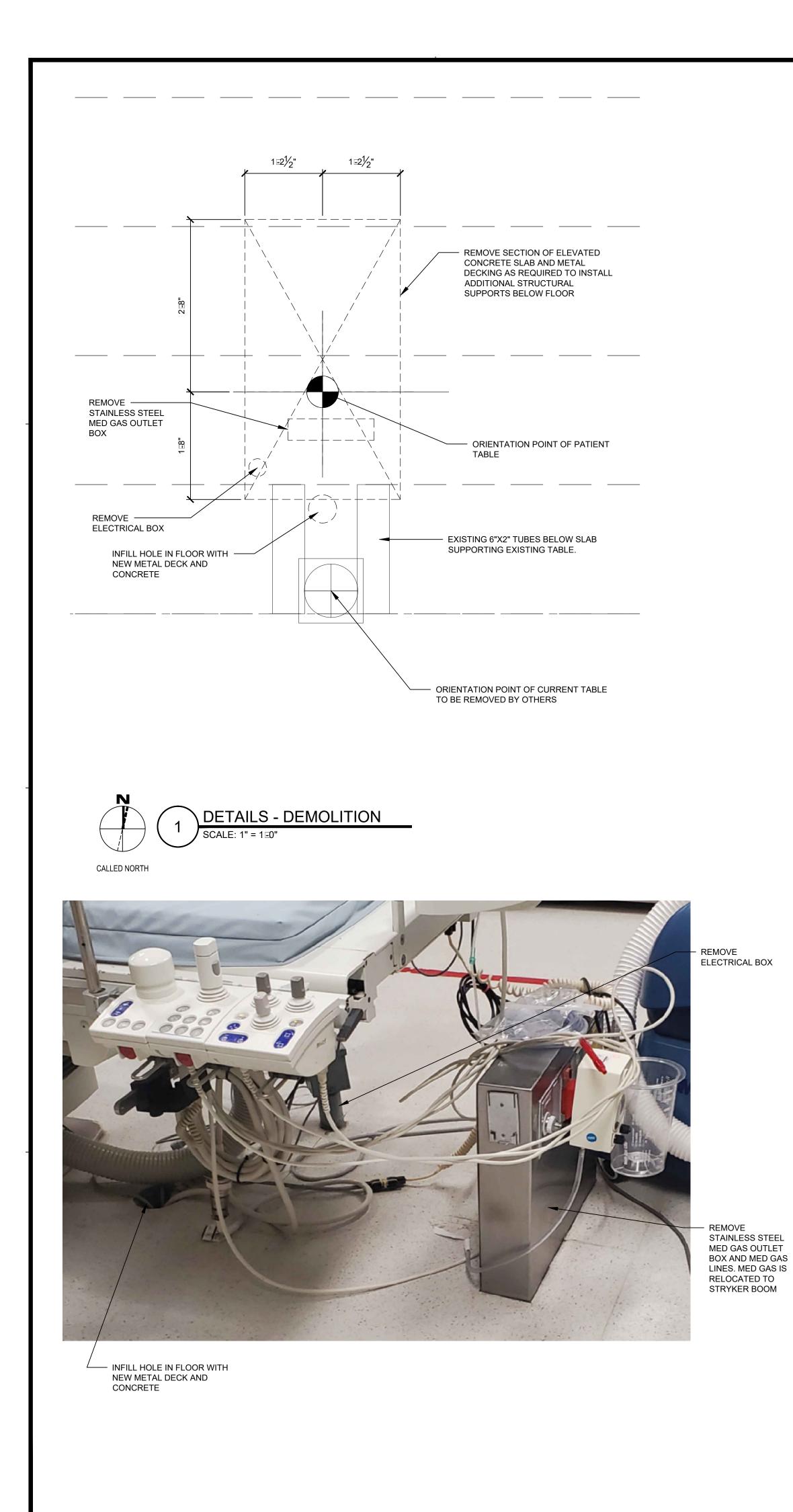
FLOOR PLAN NOTES

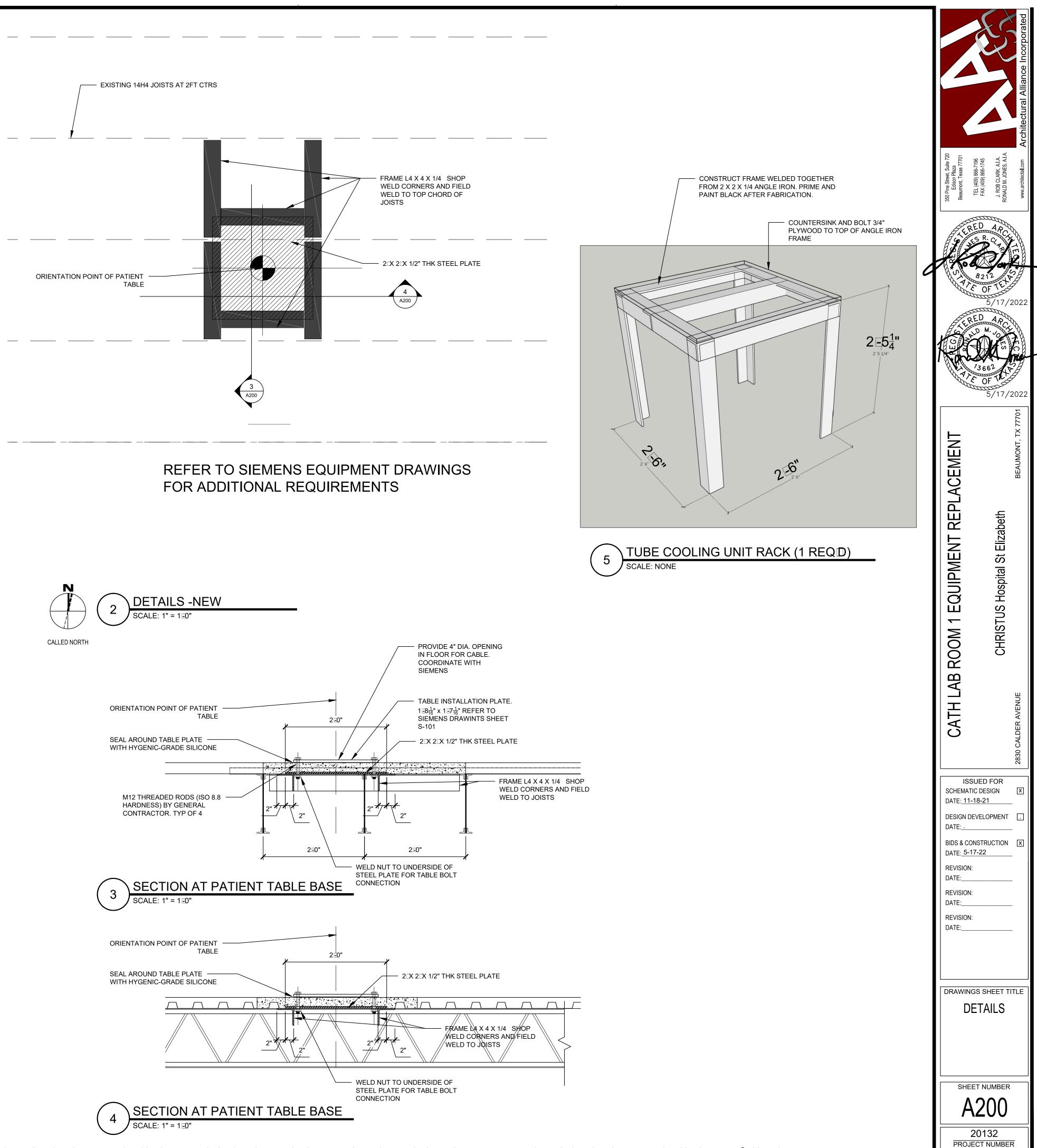
- FURNISH AND INSTALL NEW END CAP RETURN TO MATCH EXISTING ON HANDRAIL
- WINDOW FRAME. CLEAN EXISTING GLASS AND INSTALL NEW 2" X 4 ¹/₂" ALUMINUM FRAMED WINDOW WITH 5/8" MICRO-BLINDS BETWEEN 3/16" TEMPERED CLEAR GLASS

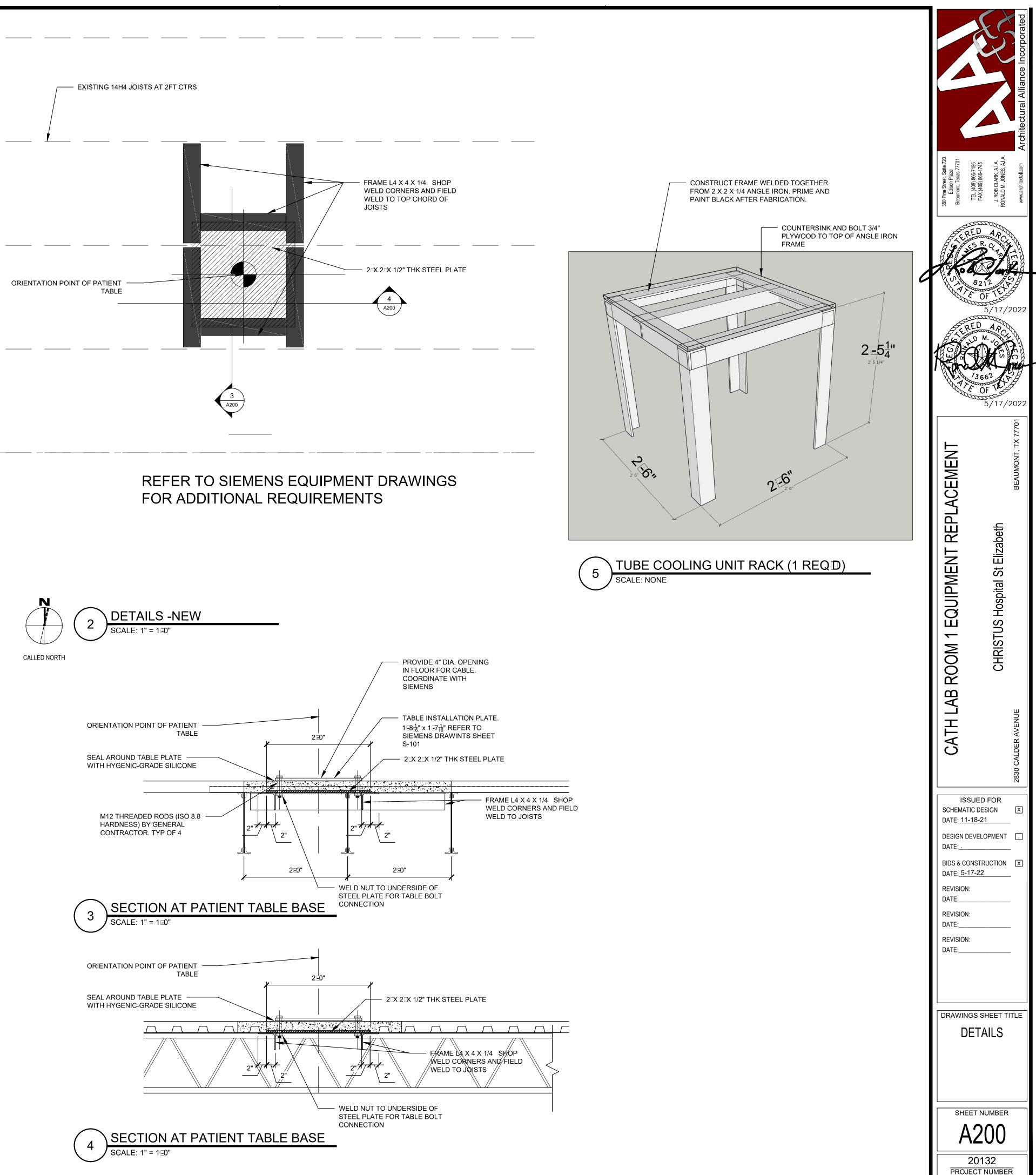
- L4x4x¹₂ ANGLES WELDED TO TOP CHORD OF JOISTS WITH L4x4x¹₂ ANGLES WELDED WELDED PERPINDICULAR BETWEEN TO FRAME OPENING AND PROVIDE BEARING
- 24" X 24" X $\frac{1}{2}$ " THK STEEL PLATE WELDED TO TOP OF NEW ANGLES. PLATE TO HAVE

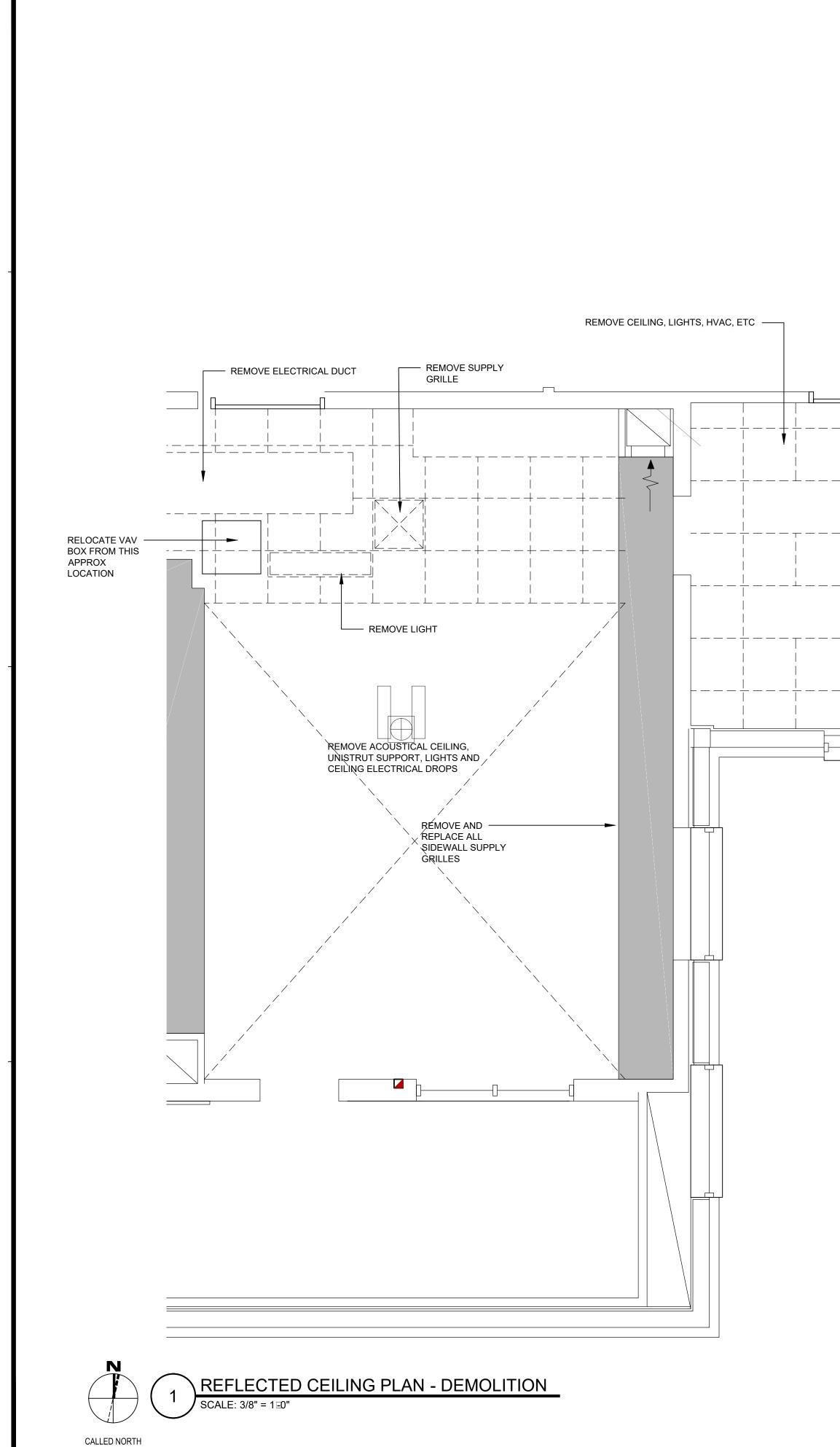


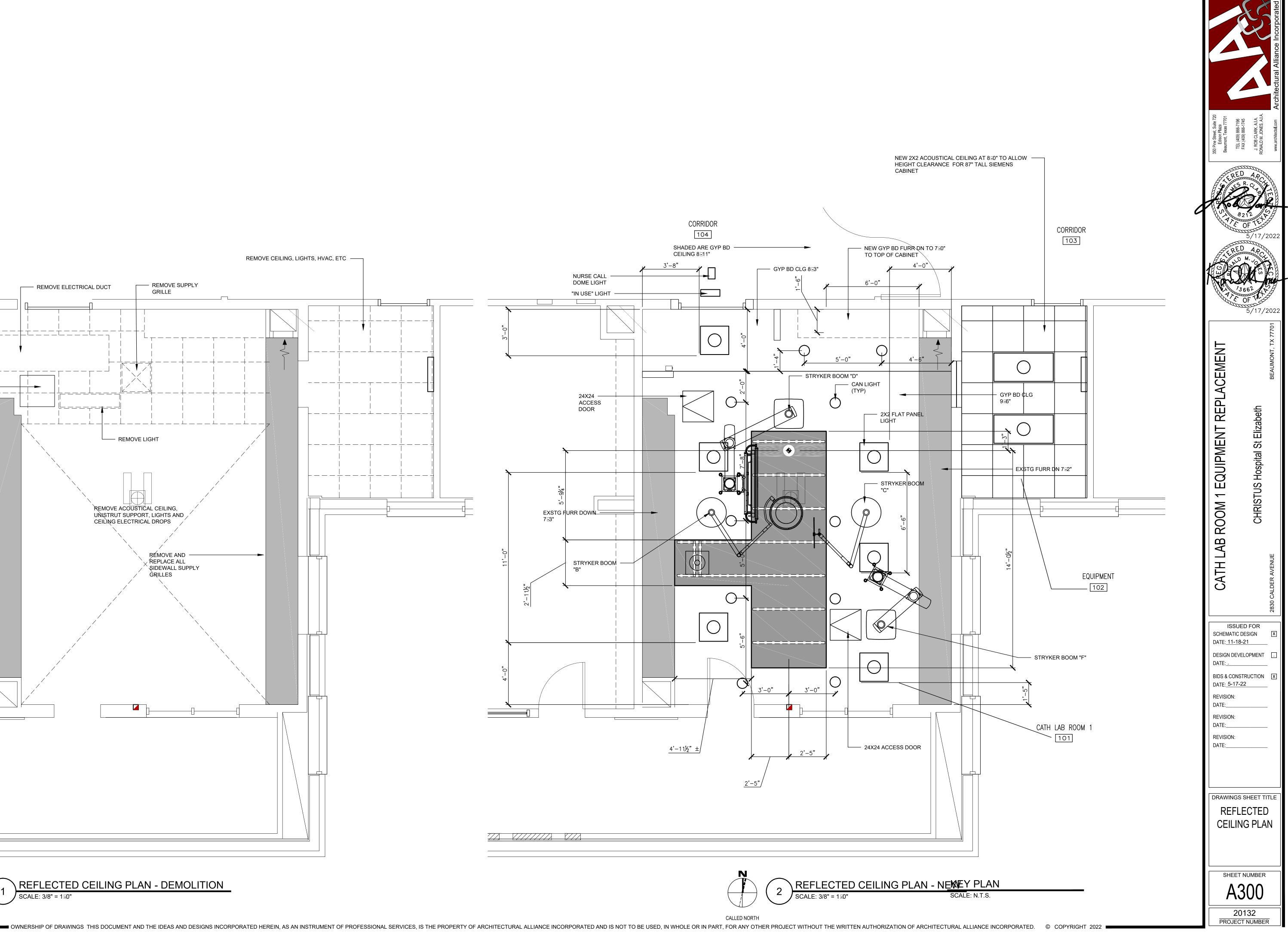


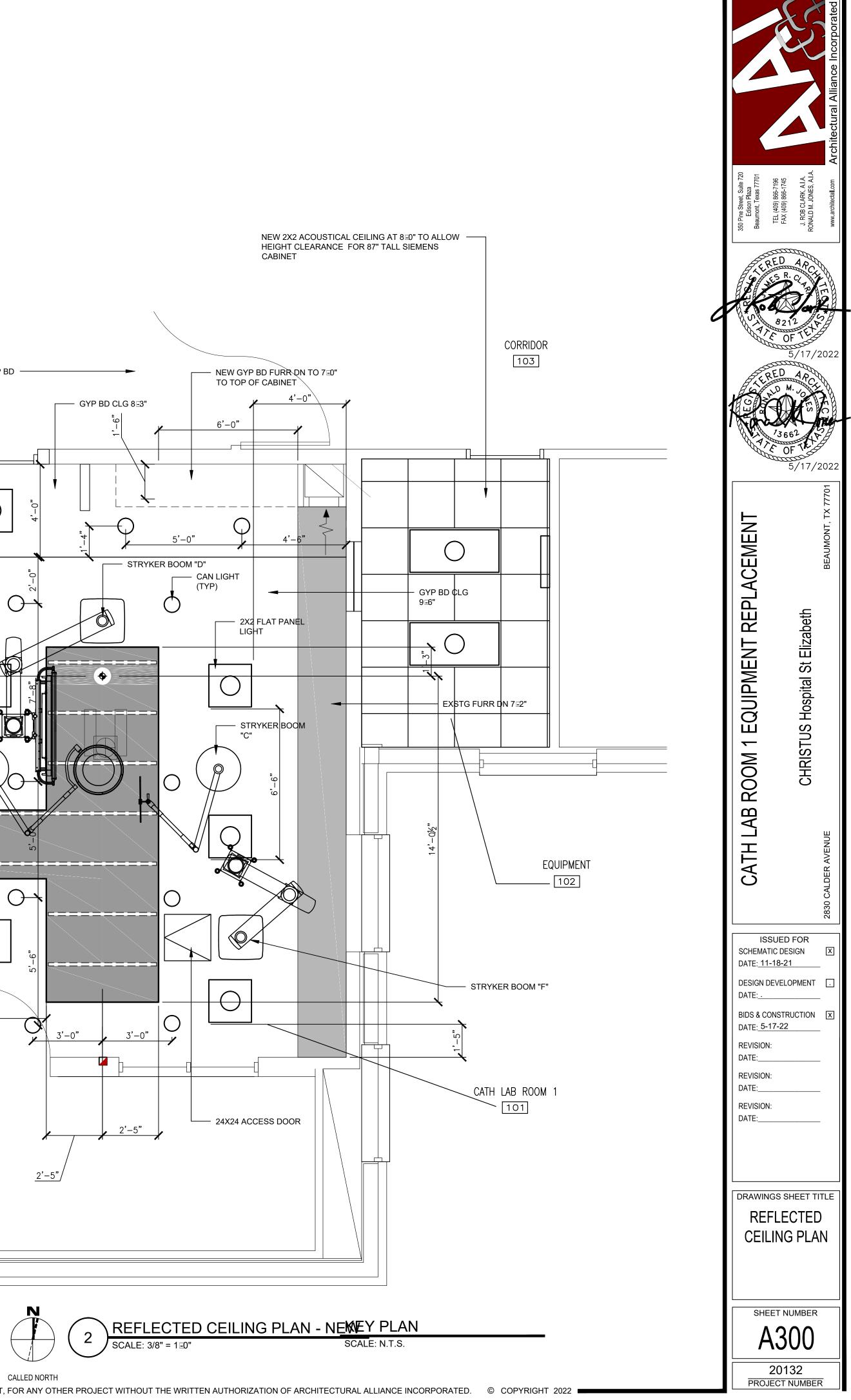


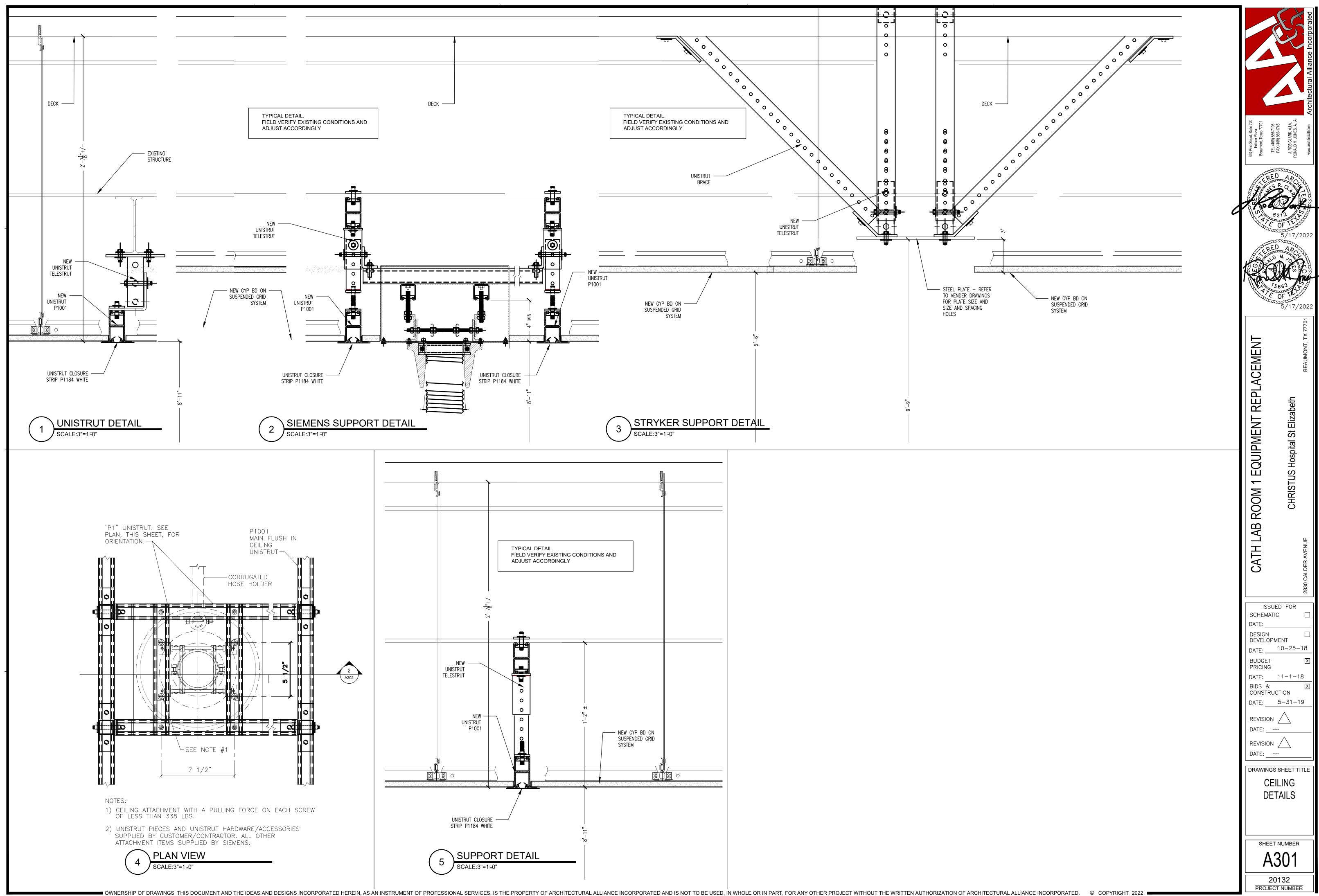


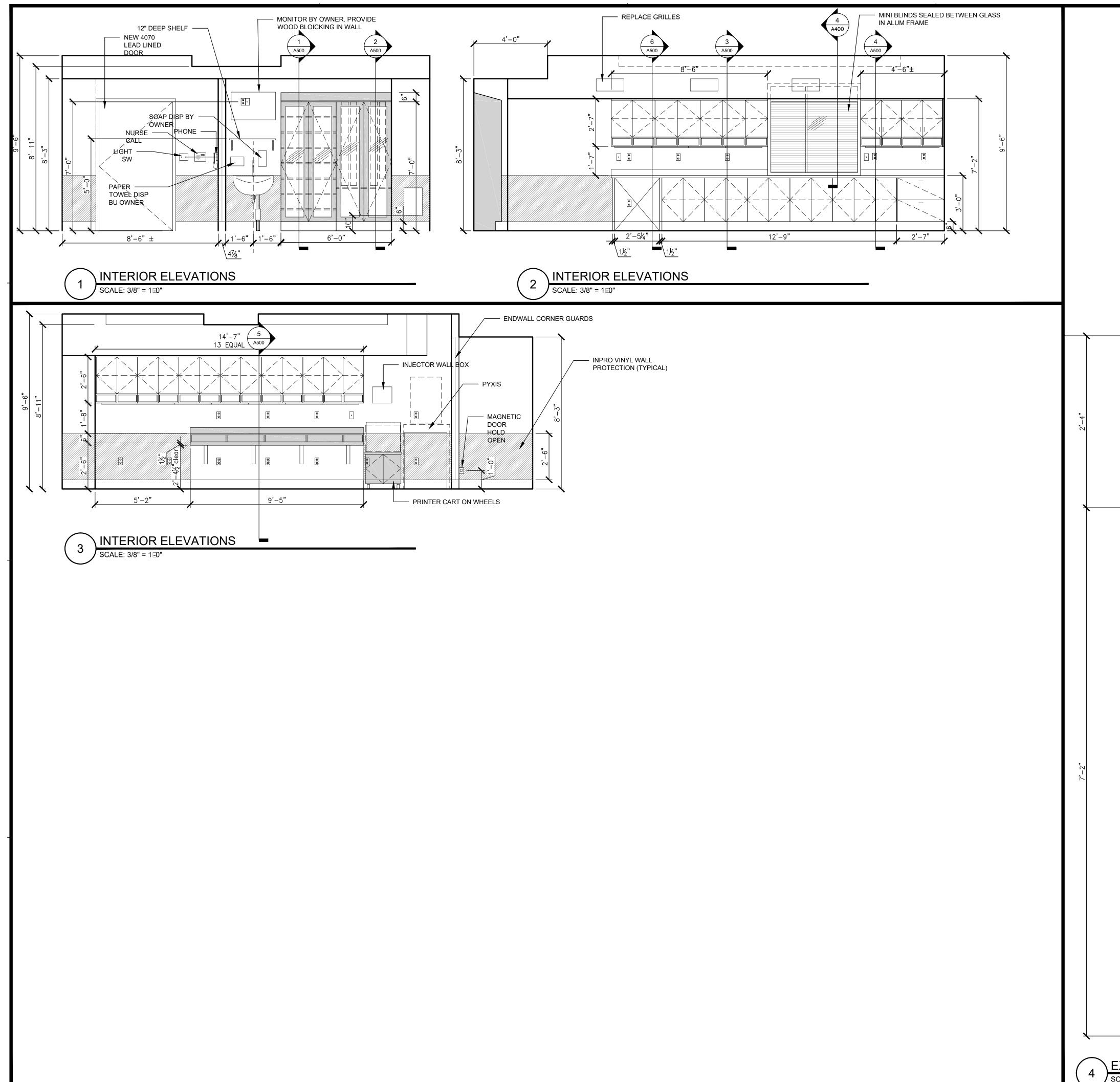




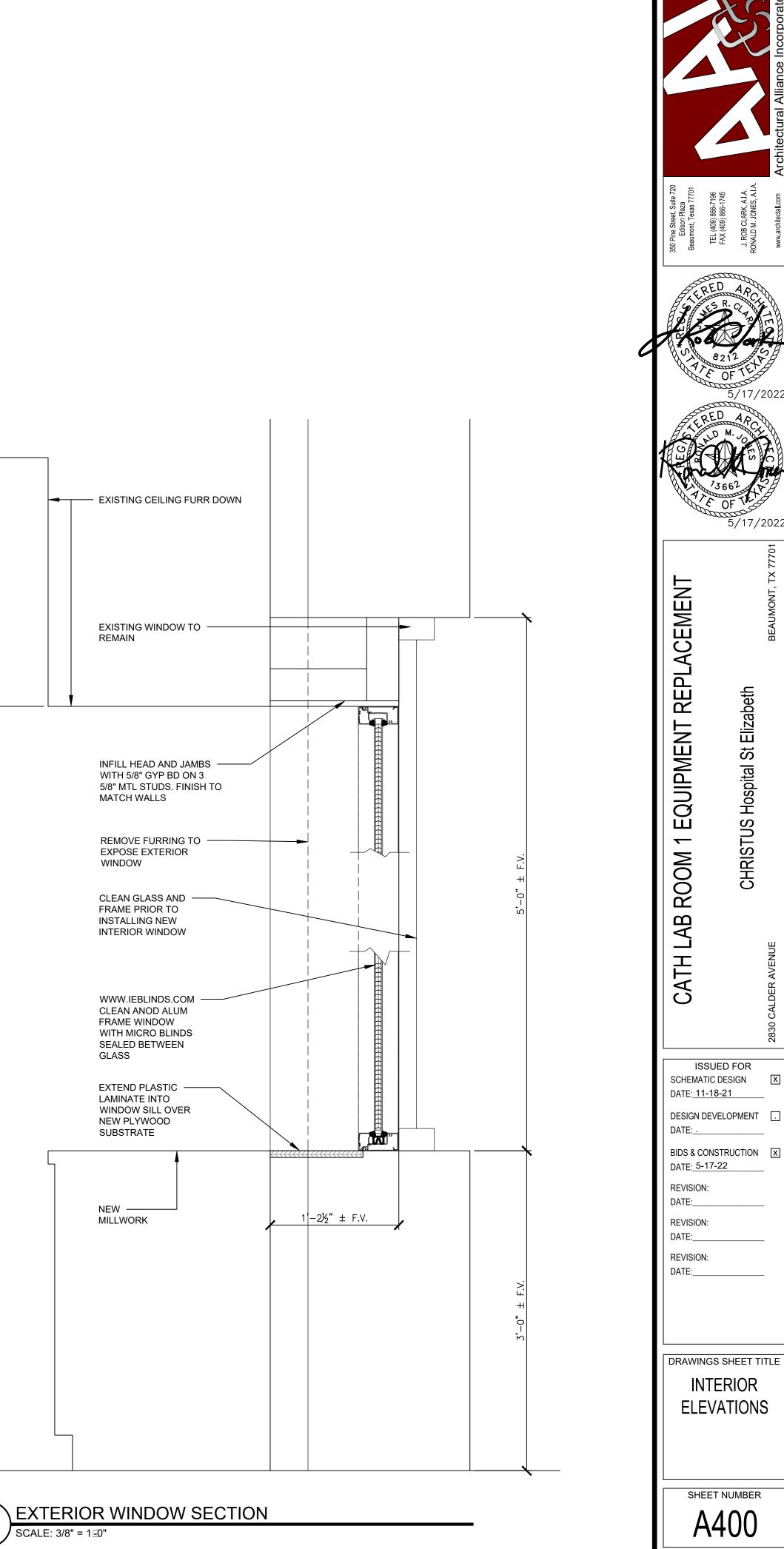






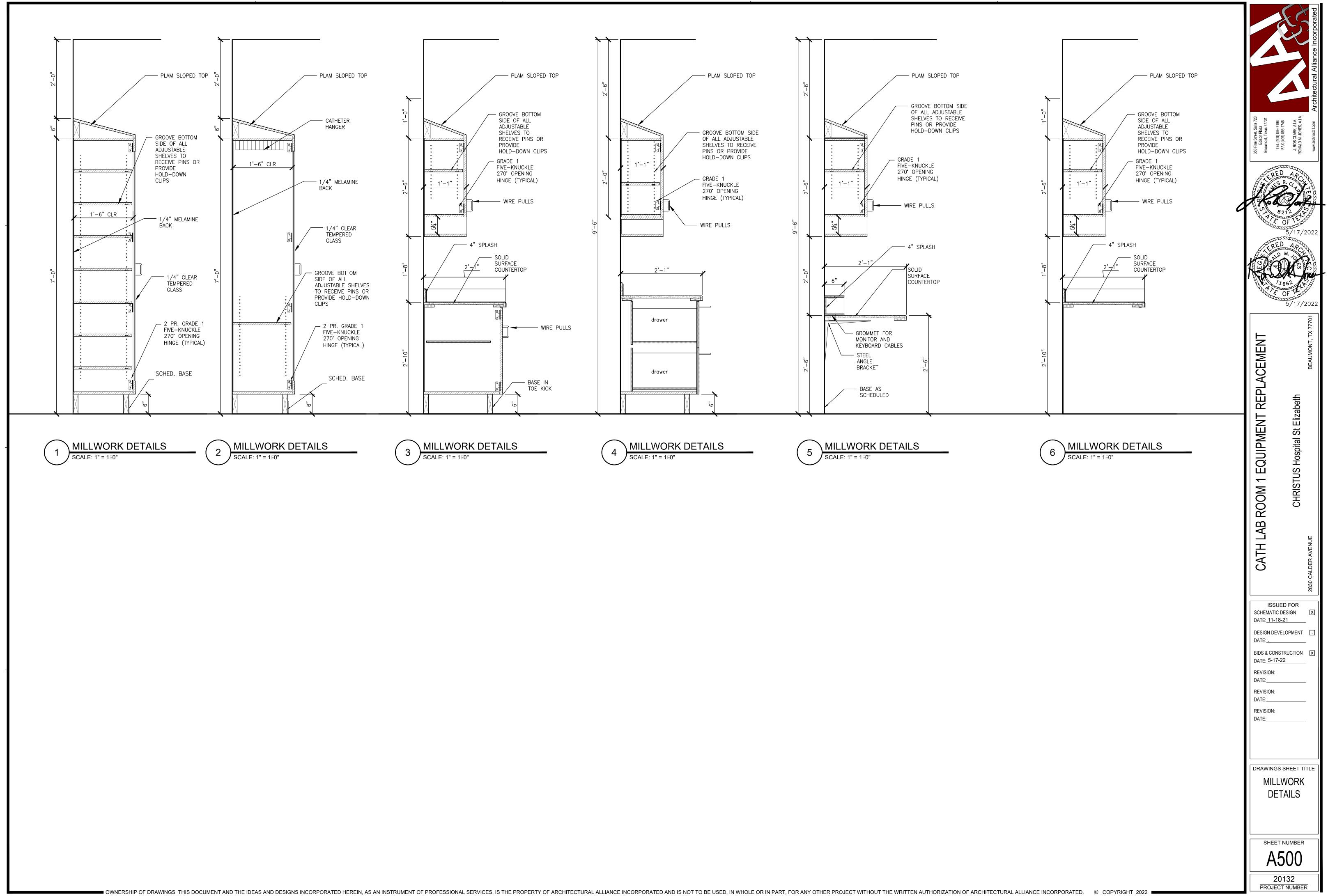


4 SCALE: 3/8" = 1=0"



PROJECT NUMBER

20132



DEFINE

MECHANICAL ABBREVIATIONS

٩D	ACCESS DOOR	HWS	HEATING HOT WATER SUPPLY
ADA	AMERICANS WITH DISABILITIES ACT	HWR	HEATING HOT WATER RETURN
4FF	ABOVE FINISHED FLOOR	KH	KITCHEN HOOD
AHU	AIR HANDLING UNIT	KW	KILOWATT
APD	AIR PRESSURE DROP	LAT	LEAVING AIR TEMPERATURE
BOD	BOTTOM OF DUCT	LWT	LEAVING WATER TEMPERATURE
BOP	BOTTOM OF PIPE	MBH	1000 BRITISH THERMAL UNITS PER HOUR
BTUH	BRITISH THERMAL UNITS PER HOUR	MVD	MANUAL VOLUME DAMPER
C	CONDENSATE	N.O.	NORMALLY OPEN
CFM	CUBIC FEET PER MINUTE	N.C.	NORMALLY CLOSED
СТ	CHILLER	NTS	NOT TO SCALE
CHS	CHILLED WATER SUPPLY	NC	NOISE CRITERIA
CHR	CHILLED WATER RETURN	OA	OUTSIDE AIR
COP	COEFFICIENT OF PERFORMANCE	OBD	OPPOSED BLADE DAMPER
СТ	COOLING TOWER	PD	PRESSURE DROP
CU	CONDENSING UNIT	PHWR	PLANT HEATING HOT WATER RETURN
CV	CONSTANT VOLUME	PHWS	PLANT HEATING HOT WATER SUPPLY
CS	CONDENSER WATER SUPPLY	PRV	PRESSURE REDUCING VALVE
CR	CONDENSER WATER RETURN	PSIG	POUNDS PER SQUARE INCH GAGE
DВ	DRY BULB	RA	RETURN AIR
DOAS	DEDICATED 100% OUTSIDE AIR UNIT	RH	RELATIVE HUMIDITY
ΞA	EXHAUST AIR	RHC	REHEAT COIL
EAT	ENTERING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
ECO	EXTERIOR CLEANOUT	RTU	ROOFTOP A/C UNIT
EDH	ELECTRIC DUCT HEATER	SA	SUPPLY AIR
EER	ENERGY EFFICIENCY RATIO	SD	STORM DRAIN
ΞF	EXHAUST FAN	SEER	SEASONAL ENERGY EFFICIENCY RATIO
EMS	ENERGY MANAGEMENT SYSTEM	SF	SUPPLY FAN
ESP	EXTERNAL STATIC PRESSURE	SP	STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER	SWR	SIDE WALL REGISTER
EWC	ELECTRIC WATER COOLER	TSP	TOTAL STATIC PRESSURE
EWH	ELECTRIC WATER HEATER	TYP	TYPICAL
EWT	ENTERING WATER TEMPERATURE	UNO	UNLESS NOTED OTHERWISE
=	FAHRENHEIT	VAV	VARIABLE AIR VOLUME
-CO	FLOOR CLEANOUT	VFD	VARIABLE FREQUENCY DRIVE
=D	FLOOR DRAIN	VRF	VARIABLE REFRIGERANT FLOW
-LA	FULL LOAD AMPS	WB	WET BULB
FE	FINISHED FLOOR ELEVATION	WG	WATER GAGE
-PI	FINS PER INCH	WPD	WATER PRESSURE DROP
ΗP	HORSEPOWER		

DESIGN

MECHANICAL LEGEND

GRILLES	S, REGIST	ERS, DIFFL	JSERS, AND LOUVERS	EQUIPM	ENT		
EXISTING	DEMO	NEW	DESCRIPTION	EXISTING	DEMO	NEW	DESCRIPTION
		A100	GRILLE DESIGNATION AND CFM				MECHANICAL EQUIPMENT. REFER TO SCHEDULES
	. ↓ 5 7	<u>†</u>		I I	Ţ	T	
-×			SURFACE MOUNT	SD	(SD)	60	SMOKE DETECTOR
↓			LAY-IN SUPPLY CEILING	MP	MP	MP	MANUAL PULL STATION
- <u>X</u>			DIFFUSER	CONTRO	DLS		
[]	п ц	[]	SUPPLY WALL DIFFUSER	EXISTING	DEMO	NEW	DESCRIPTION
	E≡≞≡∋		LINEAR SLOT DIFFUSER	T	Ť	Ū	THERMOSTAT
	題		RETURN/EXHAUST CEILING GRILLE	H	Ĥ	®	HUMIDISTAT
	П Щ 	[]	RETURN/EXHAUST WALL GRILLE	S	Ś	S	SENSOR
		<u>[]</u>	EXHAUST LOUVER	P	Þ	Ø	STATIC PRESSURE SENSOR
□	□	□→→	EXHAUST WALL CAP	RS	RS	RS	REMOTE TEMPERATURE SENSOR
			GRAVITY RELIEF HOOD	\$	\$	\$	WALL SWITCH
	□ -~	[] -	INTAKE LOUVER	\checkmark			CONTROL WIRING
□	□	┛≁	INTAKE WALL CAP				
			GRAVITY INTAKE HOOD				
DUCTW	ORK						
EXISTING	DEMO	NEW	DESCRIPTION				
	<u></u>		RECTANGULAR DUCTWORK. REFER TO PLANS FOR SIZE.				
\$\$	∽ `	\$ \$	ROUND DUCTWORK. REFER TO PLANS FOR SIZE.				
⊊	<i>⊱</i> ⇒	ب	ROUND DUCTWORK DROP/RISE.				
	ל אא ר אא		DUCT DROP/RISE				
PIPING							
EXISTING	DEMO	NEW	DESCRIPTION				
—CWS—	CWS	—cws—	CHILLED WATER SUPPLY PIPING				
—CWR—	CWR	—CWR—	CHILLED WATER RETURN PIPING				
—HWS—	HWS	—HWS—	HOT WATER SUPPLY PIPING				
	HWR						
	CS		CONDENSER WATER SUPPLY PIPING				
— CR —	CR	— CR —	CONDENSER WATER RETURN _PIPING				
DAMPER	RS	[
EXISTING	DEMO	NEW	DESCRIPTION				
	ø		BALANCING DAMPER				
-≁M	-&(M)	-# ₪	MOTORIZED DAMPER				
	□ FD	0 _{FD}	FIRE DAMPER				
	□SD	Øsd	SMOKE DAMPER				
			FIRE & SMOKE DAMPER				

NOTES: 1. EXISTING ITEMS ON DEMO PLANS ARE "EXISTING TO REMAIN" UNLESS NOTED "EXISTING TO BE RELOCATED. 2. ITEMS ON NEW CONSTRUCTION PLANS ARE NEW UNLESS NOTED "RELOCATED FROM PREVIOUS LOCATION".

3. REFER TO SCHEDULES FOR GRILLE, REGISTER, DIFFUSER, AND LOUVER SIZES.

4. REFER TO DRAWINGS FOR DIRECTION OF AIRFLOW FOR DIFFUSERS. IF DIRECTIONAL ARROWS ARE NOT INCLUDED, AIRFLOW IS IN FOUR DIRECTIONS. (4-WAY GRILLE) 5. WALL MOUNTED CONTROL DEVICES SHALL BE MOUNTED AT 48" A.F.F.

6. NOT ALL ITEMS SHOWN ON THIS LIST MAY BE APPLICABLE TO THIS PROJECT.



MECHANICAL GENERAL NOTES

- CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT, PRIOR TO SUBMITTING BID.
- 2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES, PRIOR TO SUBMITTING BID.
- 3. CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
- OTHER TRADES.
- 5. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
- 6. VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF DUCTWORK AND PIPING PRIOR TO FABRICATION, AS MINOR MODIFICATIONS SUCH AS DUCT AND/OR PIPING RISES AND DROP MAY BE REQUIRED DUE TO FIELD CONDITIONS. MAKE MINOR MODIFICATIONS TO THE BUILDING, PIPING, SPRINKLER, DUCTWORK, ELECTRICAL, ETC. AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION OF A COMPLETED WORKABLE SYSTEM.
- 7. MAINTAIN WEATHER-TIGHT BARRIERS TO PREVENT DAMAGE FROM THE ELEMENTS DURING DEMOLITION AND NEW CONSTRUCTION PERIOD.
- 8. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
- FOR THE PENETRATION.
- 10. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES. 11. MAINTAIN MINIMUM CLEARANCE 10'-0" BETWEEN OUTSIDE INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
- INSTALLATION.
- INSTALLATION.
- DISRUPTIONS AND DOWNTIME TO THE OWNER.
- 15. INSTALL DEVICES AND EQUIPMENT TO MEET ADA REQUIREMENTS.
- 16. ROUTE DUCT AND PIPING CONCEALED IN INTERSTITIAL SPACE UNLESS NOTED OTHERWISE. 17. DOCUMENT LOCATIONS OF DEVICES, DUCT, PIPING, AND EQUIPMENT ON "AS-BUILT" RECORD
- DRAWINGS AS PER THE SPECIFICATIONS.
- 18. PAY FOR SERVICE, DEPOSITS, INSPECTION, AND CONNECTION FEES REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT.
- 19. HVAC SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 90A AND NFPA 101. 20. WORK SHOWN IN THE DRAWINGS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES.

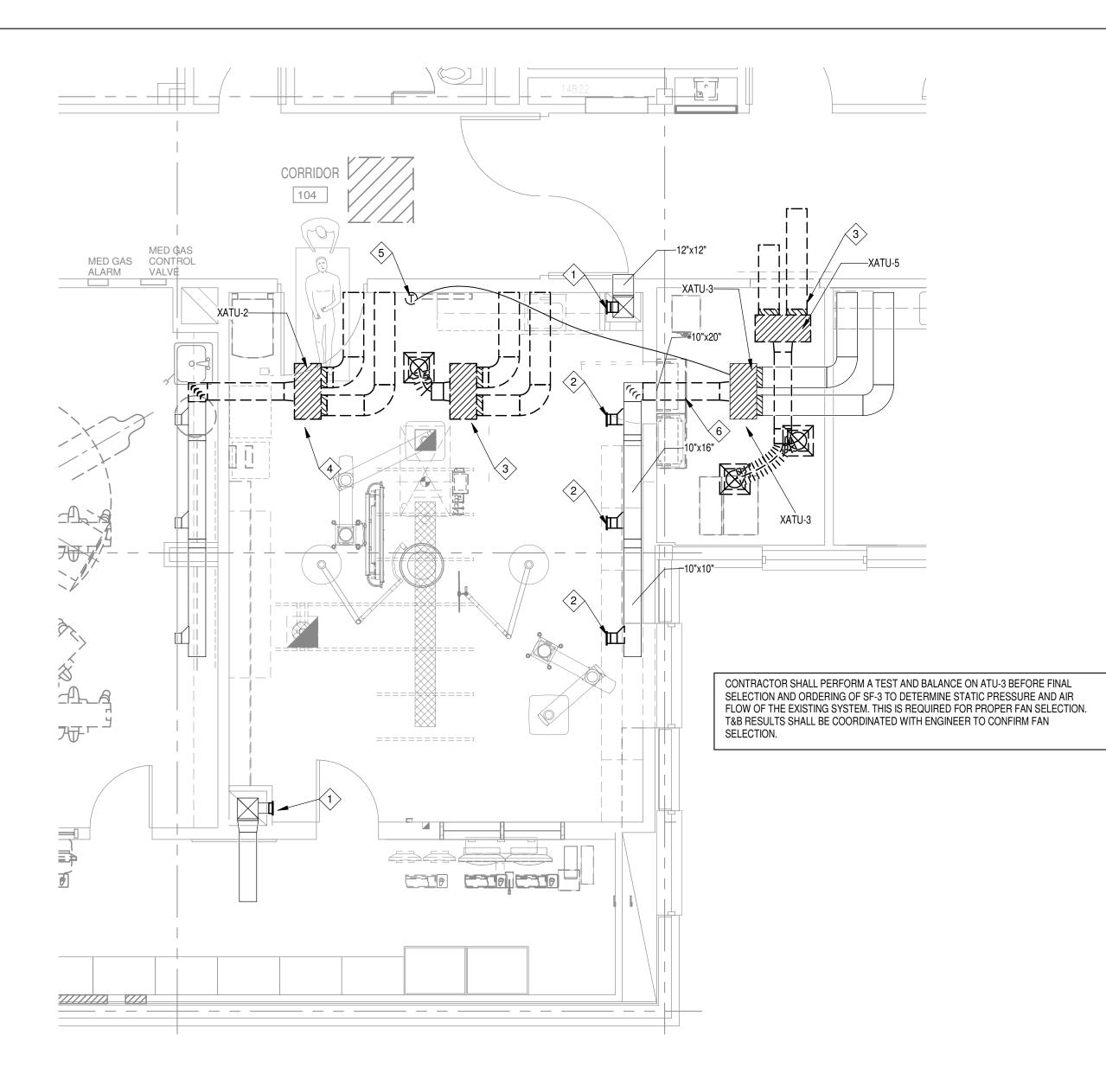
DELIVER

- 4. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF
- 9. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL. FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS
- 12. COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH THE ARCHITECT PRIOR TO
- 13. COORDINATE FINAL FINISH COLORS OF MATERIALS, DEVICES, DIFFUSER, GRILLES, LOUVERS, AND/OR EQUIPMENT WITH THE ARCHITECT PRIOR TO ORDERING, FABRICATION AND
- 14. SCHEDULE UTILITY SERVICES SHUTDOWNS WITH OWNER AND ARCHITECT. MINIMIZE

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1304 BERTRAND DRIVE SUITE F7 LAFAYETTE, LOUISIANA 70506 (337) 234-7474 (337) 234-7474 Kechanical Contact: Electrical Contact: Lectrical Contact: David@meconsulting.com PROJECT No.: 21197.00

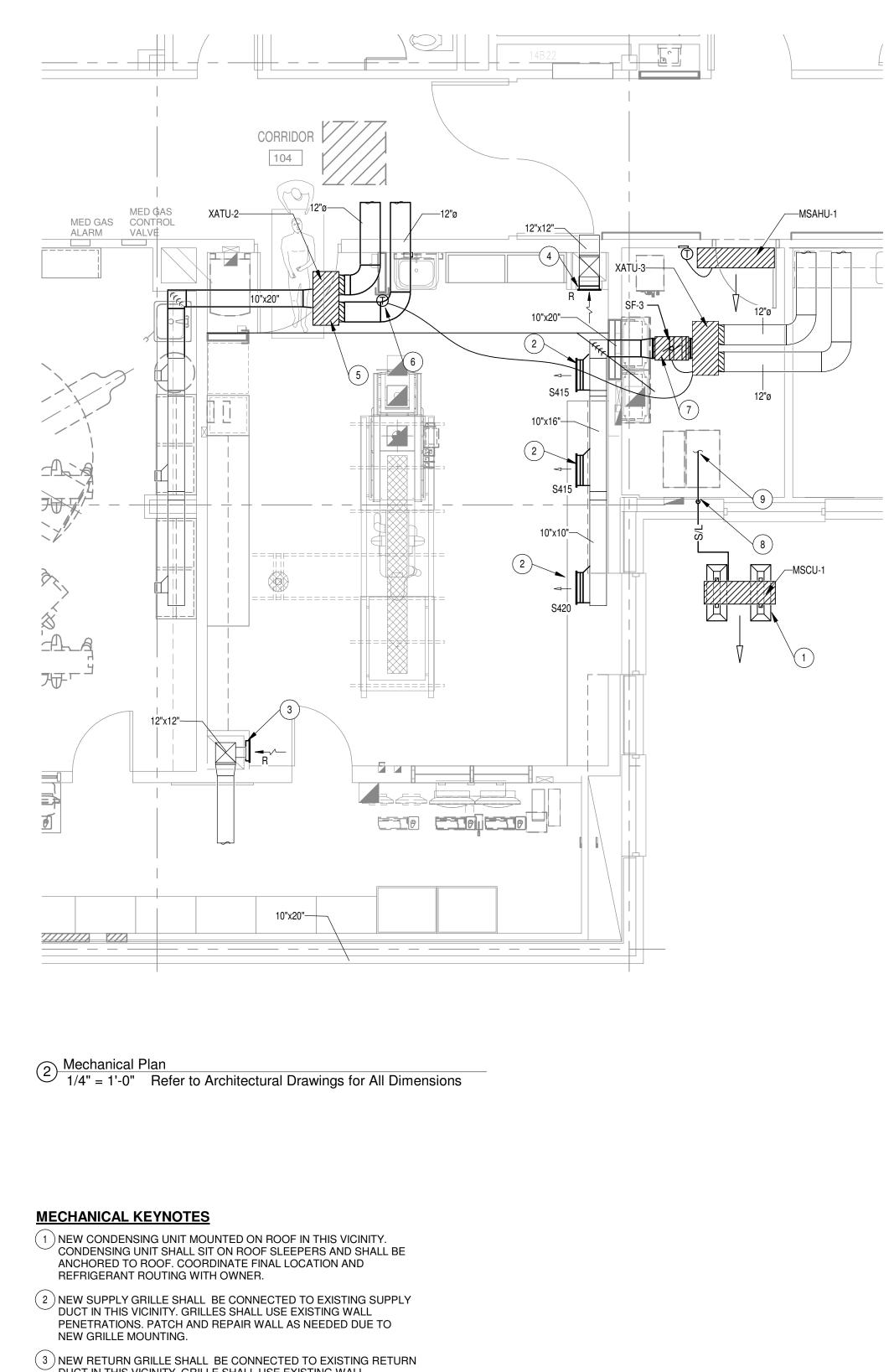
350 Pine Street, Suite 720 Edison Plaza Beaumont, Texas 77701 TEL (409) 866-7196	FAX (409) 866-1745 J. ROB CLARK, A.I.A. RONALD M. JONES, A.I.A.
DUSTIN BOUS	OF TELAS
SCHEMATIC DATE: DESIGN DEV DATE:	ELOPMENT
MECHANIC	SHEET TITLE AL LEGEND & AL NOTES



 $\underbrace{1}_{1/4" = 1'-0"} \underbrace{\text{Mechanical Demolition Plan}}_{\text{Refer to Architectural Drawings for All Dimensions}}$

MECHANICAL DEMOLITION KEYNOTES

- (1) REMOVE EXISTING RETURN GRILLE. CAP AND PRESERVE DUCT IN CHASE FOR NEW RETURN GRILLE OF THE SAME SIZE.
- 2 REMOVE EXISTING SUPPLY GRILLE. CAP AND PRESERVE DUCT IN
- FURRING FOR NEW SUPPLY GRILLE OF THE SAME SIZE. 3 REMOVE DUAL DUCT VAV BOX AND ASSOCIATED DUCT WORK, GRILLES, ACCESSORIES. CAP AND SEAL DUCT AT MAIN HOT AND COLD AIR SUPPLY TRUNK LINE.
- 4 REMOVE AND SALVAGE DUAL DUCT VAV BOX. REFER TO VIEW 2 ON THIS SHEET FOR NEW LOCATION.
- (5) REMOVE AND SALVAGE THERMOSTAT. REFER TO VIEW 2 ON THIS SHEET FOR NEW LOCATION.
- 6 SUPPLY DUCT IN THIS VICINITY SHALL BE REWORKED TO ACCOMODATE NEW INLINE SUPPLY FAN SHOWN IN VIEW 2 ON THIS SHEET. SALVAGE AS MUCH DUCT WORK AND INSULATION AS POSSIBLE.



- DUCT IN THIS VICINITY. GRILLE SHALL USE EXISTING WALL PENETRATIONS. PATCH AND REPAIR WALL AS NEEDED DUE TO NEW GRILLE MOUNTING.
- 4 NEW RETURN GRILLE SHALL BE CONNECTED TO EXISTING RETURN DUCT IN THIS VICINITY. GRILLE SHALL HAVE NEW WALL PENETRATION ON PLAN SOUTH SIDE OF CHASE. PATCH AND REPAIR OLD WALL PENETRATION AS NEEDED.
- 5 SALVAGED VAV BOX SHALL BE RELOCATED TO THIS VICINITY. EXTEND AND CONNECT SUPPLY DUCT TO EXISTING SUPPLY DUCT AS SHOWN.
- (6) SALVAGED THERMOSTAT SHALL BE RECONNECTED TO EXISTING CONTROL WIRING FOR VAV BOX IN THIS VICINITY.
- (7) NEW INLINE SUPPLY FAN WITH VFD CONTROL INTERLOCKED WITH EXISTING DUAL DUCT VAV BOX CONTROLS. EXTEND AND CONNECT EXISTING SUPPLY DUCT TO INLINE FAN AS NEEDED TO COMPLETE A WORKING SYSTEM.
- (8) PROVIDE A WALL MOUNTED OUTLET FOR REFRIGERANT PIPING THROUGH THE EXTERIOR WALL. REFER TO DETAIL FOR ADDITIONAL INFORMATION.(TYPICAL)
- (9) EXTEND REFRIGERANT PIPING TO RESPECTIVE AIR HANDLING UNIT.

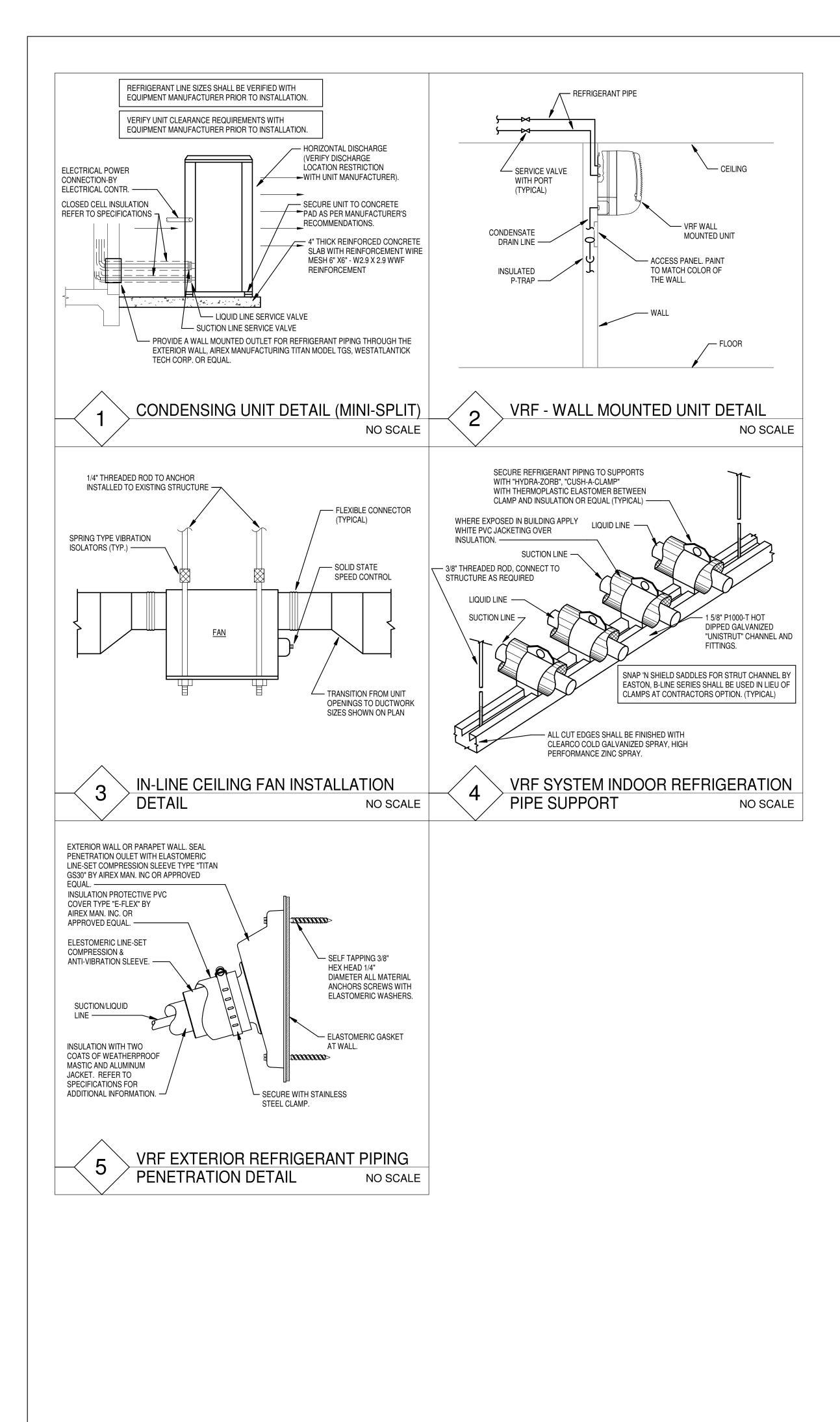


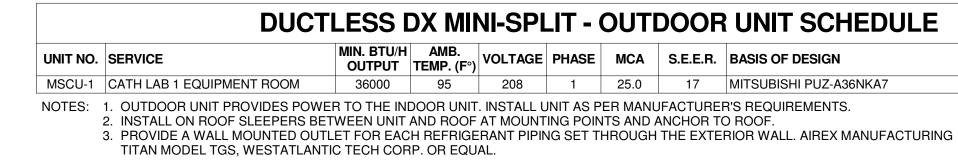
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20132 PROJECT NUMBER





	DUCTLESS DX MINI-SPLIT - INDOOR UNIT SCHEDULE												
				FAN				COOLING			HEA	TING	
UNIT NO.	SERVICE	FAN	CFM	UNIT	VOLTAGE		MIN. BTU/H	AMB.	EAT	'(°F)	MIN. BTU/H	AMB.	BASIS OF DESIGN
		HIGH	LOW	MCA	VULTAGE	FRASE	OUTPUT	TEMP. (°F)	DB	WB	OUTPUT	TEMP. (°F)	
MSAHU-1	CATH LAB 1 EQUIPMENT ROOM	920	705	1.00	208	1	34000	95	80	67	37000	47	MITSUBISHI PKA-A36KA7
2.	UNIT SHALL BE PROVIDED WITH HARD WALL MOUNTED UNITS SHALL BE MOU REFRIGERANT SHALL BE R-410A.							ABLE OF SEN	ISING T	EMPERA	ATURE.		
5.	UNIT SHALL BE PROVIDED WITH AIR C CEILING RECESSED UNITS SHALL BE I	PROVIDE	D WITH IN	TEGRAL	CONDENSA	TE PUM	P.		-	ERE DIRE	ECTION FLOV	V ARROWS /	ARE NOT SHOWN.
7.	CEILING RECESSED AND WALL MOUN PROVIDE ONE (1) SPARE LIFE LONG F	ILTER TO	OWNER F	FOR EAC	H UNIT THA	T HAS A	LIFE LONG FIL	_TER.					

- CONDENSATE DRAIN HOSE (AT UNIT CONNECTION) ON EACH INDOOR UNIT. THE STAINLESS STEEL HOSE CLAMP SHALL BE APPROPRIATELY SIZED TO CREATE A WATER TIGHT SEAL.
- 9. CASSETTE UNITS SHALL CYCLE FAN ON/OFF WITH CALL FOR COOLING/HEATING. ADJUST DIP-SWITCH ON EACH UNIT AS REQUIRED TO ALLOW THE FAN TO BE OFF WHEN NO CALL FOR COOLING/HEATING.
- 10. INDOOR UNIT RECEIVES POWER FROM THE OUTDOOR UNIT. INSTALL UNIT AS PER MANUFACTURER'S REQUIREMENTS.

	FAN SCHEDULE												
UNIT NO.	SERVICE	MIN. CFM	EXT SP	RPM	SONES	FAN H.P.	TYPE	DRIVE	VOLTAGE	PHASE	CONTROL	MANUFACTURER	MODEL
SF-3	ATU-3	1250	1.00	2761	20	0.75	INLINE	VFD	120	1	ATU-3	COOK	100SQN28D (VF)
													· · ·

NOTES: 1. PROVIDE FAN WITH INTEGRAL BACK-DRAFT DAMPER, VFD CONTROL, SPRING TYPE ISOLATORS. 2. FAN SHALL BE INTERLOCKED WITH DUAL DUCT VAV BOX DAMPER CONTROL WITH VFD. 3. PRE-CONSTRUCTION TEST AND BALANCE SHALL BE PERFORMED ON ATU-3 TO CONFIRM EXISTING PRESSURES AND AIR FLOWS AND COORDINATED WITH ENGINEER BEFORE ORDERING THIS FAN. T&B REPORT MAY ALTER THE FAN SELECTION.

				DIFFUS	ER/GR	ILLE SCHEDU	
L	SIZE	SERVICE	LOCATION	FINISH	O.B.D.	BASIS OF DESIGN	
	12"X12"	RETURN	WALL	WHITE	O.B.D.	TITUS 355FL-1	
	18"X6"	SUPPLY	WALL	WHITE	O.B.D.	TITUS 1700FS-1	
-			ND COLOR WITH			N IS NOT INDICATED. AIR FI	_

SYMBO

NOTES:

 REFER TO PLANS FOR DIRECTION OF AIR FLOW FOR GRILLES. IF DIRECTION IS NOT INDICATED, AIR FLOW IS IN FOUR DIRECTION (4-WAY GRILLE).
 COORDINATE FINAL LOCATIONS WITH REFLECTIVE CEILING PLANS. REFER TO ARCHITECTURAL DRAWINGS. 4. ALL DIFFUSERS SHALL HAVE ALUMINUM CONSTRUCTION.

MECHANICAL SPECIFICATIONS NOTES:

- DRAWINGS AND SCHEDULES.
- MANUFACTURER'S RECOMMENDATIONS.
- REFRIGERANT.

8. CONTRACTOR SHALL REMOVE THE PLASTIC CONDENSATE HOSE CLAMP (AT UNIT CONNECTION) ON EACH INDOOR UNIT. FURNISH AND INSTALL A STAINLESS STEEL HOSE CLAMP ON THE

JLE

1. ALL MECHANICAL WORK SHALL CONFORM TO THE APPLICABLE PORTIONS OF THE INTERNATIONAL MECHANICAL CODE, NFPA, ASHRAE, NEC, ASME, IBC AND UL.

2. CONTRACTOR SHALL PERFORM THE TESTING, ADJUSTING AND BALANCING OF THE HVAC SYSTEM IN ACCORDANCE WITH THE NATIONAL STANDARDS FOR FIELD MEASUREMENT AND INSTRUMENTATION, TOTAL SYSTEM BALANCE AS PUBLISHED BY THE ASSOCIATED AIR BALANCE COUNCIL.

3. CONTRACTOR SHALL LABEL ALL EQUIPMENT WITH A PERMANENT LAMINATED PLATE. UNITS SHALL BE LABELED AS INDICATED ON THE

4. INSULATE ALL SUPPLY, OUTSIDE AIR AND EXHAUST DUCTWORK ON OUTSIDE WITH 2.125" THICK 3/4 # DENSITY FIBERGLASS WRAP INSULATION WITH ALUMINUM FOIL VAPOR BARRIER. INSULATION SHALL BE TAPED AT ALL JOINTS AND INSTALLED PER THE

5. CONTRACTOR SHALL TEST REFRIGERANT LINES UNDER 200 PSI CARBON DIOXIDE PRESSURE FOR 5 HOURS USING SOAP SUDS AT JOINTS TO TEST FOR LEAKS. EVACUATE SYSTEM AND CHARGE WITH

	1304 BERTRAND DRIVE SUITE F7 LAFAYETTE, LOUISIANA 70506 (337) 234-7474 * FAX (337) 234-7774 Mechanical Contact: Electrical Contact: David Carroll, P.E. david@meconsulting.com
CONSULTIN	G PROJECT No.: 21197.00

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DEFINE

ELECTRICAL ABBREVIATIONS

- DENOTES COUNTER-TOP-HEIGHT MOUNTED. СТ CONTRACTOR TO VERIFY COUNTER TOP HEIGHT AND HEIGHT OF BACK SPLASH.
- DENOTES EMERGENCY DEVICE Е
- DENOTES GROUND FAULT INTERRUPTER G PROTECTED
- WP DENOTES WEATHERPROOF
- AFF DENOTES ABOVE FINISHED FLOOR
- С DENOTES CONDUIT
- А DENOTES AMP EWC
- ELECTRICAL WATER COOLER WALL MOUNTED-48" ABOVE FINISHED FLOOR OR
- W AS NOTED
- CB CODE BLUE IG DENOTES ISOLATED GROUND
- FDS FUSED DISCONNECT SWITCH
- BOF BOTTOM OF FIXTURE
- MRR MANUFACTURER'S RECOMMENDED RATING
- WR WEATHER RESISTANT
- VOJ VERIFY ON JOB
- VR VANDAL RESISTANT
- SURGE PROTECTION DEVICE REFER TO SPD SPECIFICATIONS.

ELECTRICAL LINE TYPE LEGEND

⊗ \$ 'c ∨ ⊕	SCREENED LINES/SYMBOLS INDICATE EXISTING DEVICES TO REMAIN.
▐▋▋▋▋▓\$[]3]▽∯	DASHED LINES/SYMBOLS INDICATE EXISTING DEVICES TO BE REMOVED OR RELOCATED.

- BOLD LINES/SYMBOLS INDIX OR RELOCATED DEVICES.
- BOLD LINES/SYMBOLS INDICATE NEW

		RICAL	
~	LIGHTING DESCRIPTION LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE	SYMBOL V xx	SPECIAL SYSTEMS DESCRIPTION COMMUNICATIONS OUTLET - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULL ACCESSIBLE CEILING (18" A.F.F OR AS NOTED) - PROVIDE A BLANK PLATE OR XX DENOTES CABLE TYPE
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE CEILING MOUNTED EXIT LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION	⊠ _{××}	D=DATA, C=COAX REFER TO SPECIFICATIONS TELEVISION OUTLET-DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING CEILING (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT) - PROVIDE BLANK PLATE OR XX D P=PHONE, D=DATA, C=COAX REFER TO SPECIFICATIONS
ΥΫ́	WALL MOUNTED EXIT LIGHT - COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION EMERGENCY LIGHT (8'-0" A.F.F. OR AS NOTED) - REFER TO LIGHTING FIXTURE SCHEDULE		DATA JACK ABOVE CEILING W/ 30' OF SLACK (FUTURE WIRELESS ACCESS POINT) XX - DENOTES CABLE O AUDIO & VISUAL - DEEP 4" SQUARE DEEP DOUBLE GANG BOX WITH DOUBLE GANG PLASTER RING (MOU
201	CEILING MOUNTED EGRESS LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE PHOTOCELL SINGLE POLE TOGGLE SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)	© ©	CONDUIT WITH CABLE/PULLSTRING TO A MINIMUM OF 6" ABOVE CEILING. OVERHEAD PROJECTOR - DEEP 4" SQUARE BOX INSTALLED ABOVE CEILING ADJACENT TO OVERHEAD P AUDIO & VISUAL - RECESSED FLOOR BOX - WIREMOLD RFB9 OR EQUAL (SEE DETAIL)
	THREE-WAY TOGGLE SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) WALL MOUNTED DIMMER SWITCH WITH ON/OFF AND 0-10V OUTPUT DIMMING. DIMMER MUST BE COMPATIBLE WITH BALLAST OR LED. REFER TO SPECIFICATIONS. PROVIDE ALL NECESSARY CONDUCTORS FOR COMPLETE OPERATING SYSTEM. (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)	SB	SMART BOARD J-BOX - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRI ACCESSIBLE CEILING. (SEE DETAIL) CONTROL STATION - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING
	MOTOR RATED SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED). CONTRACTOR TO PROVIDE SWITCH TO DE-ENERGIZE EACH CURRENT CARRYING CONDUCTOR. LOCATE ADJACENT TO EQUIPMENT BEING SERVED IN A READILY ACCESSIBLE LOCATION. SINGLE POLE KEYED SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)		ACCESSIBLE CEILING. (SEE DETAIL) NURSE CALL DESCRIPTION NURSE CALL DOME LIGHT - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLS
¢*	SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) COORDINATE TYPE AND INSTALLATION REQUIREMENTS WITH MANUFACTURE. COORDINATE LOCATION WITH OWNER.	-	NURSE CALL PULL CORD STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CAB TO ACCESSIBLE CEILING NURSE CALL STATION - MASTER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE TO ACCESSIBLE CEILING
	INBOARD AND OUTBOARD SWITCHING UNLESS NOTED OTHERWISE (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) SINGLE POLE DIGITAL PRESET COUNT DOWN TYPE TIMER SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) SENSORSWITCH PTS 60 OR EQUAL WALL MOUNTED OCCUPANCY SENSOR (48" AFF TO CENTER OF DEVICE OR AS NOTED) - REFER TO SPECIFICATIONS.	P P	TO ACCESSIBLE CEILING NURSE CALL PATIENT STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/F TO ACCESSIBLE CEILING
	WALL MOUNTED DOUBLE SWITCH OCCUPANCY SENSOR (48" AFF TO CENTER OF DEVICE OR AS NOTED) - REFER TO SPECIFICATIONS. CORNER MOUNTED OCCUPANCY SENSOR - MOUNTING HEIGHT TO BE DETERMINED PER MANUFACTURER'S RECCOMENDATIONS FOR OPTIMAL COVERAGE - MYTECH, WATT STOPPER		NURSE CALL DUTY STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PU TO ACCESSIBLE CEILING NURSE CALL STAFF STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PU
	POWER DESCRIPTION DUPLEX CONVENIENCE OUTLET (18" A.F.F. FOR GENERAL AREAS, 36" A.F.F. FOR GARAGES, HANGARS AND THE LIKE OR AS NOTED) TELEVISION OUTLET (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT)		TO ACCESSIBLE CEILING FIRE ALARM DESCRIPTION FIRE ALARM PULL STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH COLSPANSION
	ELECTRICAL WATER COOLER; COORDINATE ELECTRICAL DEVICE/OUTLET TYPE AND LOCATION WITH PLUMBING CONTRACTOR (CONCEAL OUTLET/DEVICE BEHIND COOLER) OUTLET TO BE GROUND FAULT INTERRUPTER PROTECTED. MICROWAVE OUTLET - RECESSED 20 AMP DUPLEX OUTLET. HUBBELL OR EQUAL. VERIFY EXACT MOUNTING LOCATION WITH	. VS	CEILING (48" A.F.F. TO CENTER OF DEVICE) FIRE ALARM VALVE SUPERVISORY SWITCH- PROVIDE MONITORING MODULE FOR ALL VALVE S REQUIREMENTS, QUANTITIES, AND LOCATIONS WITH THE SPRINKLER CONTRACTOR
— wн	OWNER/ACHITECT PRIOR TO ROUGH IN. WATER HEATER; COORDINATE ELECTRICAL OUTLET/DISCONNECT TYPE AND LOCATION WITH PLUMBING CONTRACTOR SMART BOARD OUTLET - SB DENOTES HEIGHT OF OUTLET PER OWNER		FIRE ALARM FLOW DETECTOR/SWITCH - PROVIDE MONITORING MODULE FOR ALL FLOW DETIREQUIREMENTS, QUANTITIES, AND LOCATIONS WITH THE SPRINKLER CONTRACTOR MAGNETIC DOOR HOLDER - CONTRACTOR TO CONNECT TO 120V CIRCUIT. DOOR HOLDERS S
) ⊃= ∪	DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED) TR DENOTES TAMPER RESISTANT - HUBBELL: RR205TR, GFTR20 OR EQUAL. COMBINATION RECEPTACLE/OUTLET AND DUAL USB CHARGER - LEVITON T5832 OR EQUAL. (18" A.F.F. OR AS NOTED) DOUBLE DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED)	FACP FAAP	FIRE ALARM SYSTEM FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL - BACK BOX WITH 1" CONDUIT MINIMUM TO ACCESSIBLE C
€	SPECIAL OUTLET (VERIFY TYPE AND MOUNTING HEIGHT WITH EQUIPMENT MANUFACTURE) COUNTER TOP DUPLEX OUTLET (CLEAR BACK SPLASH) CEILING MOUNTED OUTLET	§ § §₁₀	SMOKE DETECTOR - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN SINGLE STATION SMOKE DETECTOR 120 VOLT WITH BATTERY BACKUP AND INTERCONNECTER FIRE ALARM DUCT DETECTOR
	MOTOR STARTER - PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. FLOOR BOX, POWER (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION) MINIMUM 2-3/4" CONDUITS TO ACCESSIBLE CEILING.	(AIO)	HEAT DETECTOR - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3 ADDRESSABLE INPUT/OUTPUT MODULE FIRE ALARM WALL MOUNTED STROBE UNIT - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER
	FLOOR BOX, COMBINATION POWER/COMMUNICATIONS (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION. 2-1" CONDUITS IN SLAB TO 6" ABOVE ACCESSIBLE CEILING - PROVIDE BLANK PLATE OR XX DENOTES CABLE TYPE AND QUANTITY; P=PHONE, D=DATA, C=COAX REFER TO SPECIFICATIONS	⊥ × _{xx}	ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA 72, ALL DEVICES SHALL BE AT SAME I FIRE ALARM CEILING MOUNTED STROBE - XX DENOTES CANDELA RATING
$\overline{\mathbf{a}}$	JUNCTION BOX CONTROL POWER FOR ENERGY MANAGEMENT SYSTEM - PROVIDE OUTLET OR JUNCTION BOX AT LOCATION PER EMS CONTRACTOR HAND DRYER - COORDINATE OUTLET/DEVICE TYPE WITH SUPPLIER. COORDINATE LOCATION WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN.		FIRE ALARM WALL MOUNTED HORN/STROBE UNIT - DEEP 4" SQUARE BOX WITH SINGLE GANG CONDUIT TO ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA) XX DENOTES CANDELA FIRE ALARM CEILING MOUNTED HORN/STROBE - XX DENOTES CANDELA RATING
XX/Y ZZF	ELECTRICAL MOTOR (COORDINATE TERMINATION WITH SUPPLIER) FUSED DISCONNECT SWITCH - FUSE AT MANUFACTURE RECOMMENDED RATING UNLESS NOTED OTHERWISE. XX DENOTES DISCONNECT SIZE, Y DENOTES PHASE, ZZF ZZ DENOTES FUSE SIZE.		FIRE ALARM WALL MOUNTED SPEAKER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA 72, ALL DEVICES SHALL BE AT THE S/
	ELECTRICAL PANEL SURFACE MOUNTED ELECTRICAL PANEL FLUSH MOUNTED		FIRE ALARM CEILING MOUNTED SPEAKER FIRE ALARM WALL MOUNTED SPEAKER/STROBE UNIT - DEEP 4" SQUARE BOX WITH SINGLE G
\frown	REFER TO DETAIL. WIRE MOLD: 30TP-4V CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING		CONDUIT TO ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA 72, ALL DEVICES SHALL CANDELA RATING FIRE ALARM CEILING MOUNTED SPEAKER STROBE - XX DENOTES CANDELA RATING
	HOMERUN TO ELECTRIC PANEL BOARD (INDICATED NUMBER OF CIRCUIT BY NUMBER OF ARROWS) THREE (3) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.	Ê	SPRINKLER ALARM BELL (BY OTHERS) - PROVIDE DEDICATED LOW VOLTAGE FIRE ALARM CIR PANEL. COORDINATE WITH SPRINKLER CONTRACTOR. SECURITY SYSTEM DESCRIPTION
	FIVE (5) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED. FOUR (4) CONDUCTORS RUN IN CONDUIT, ONE CONDUCTOR DESIGNATED FOR ISOLATED GROUND	• 🗖	SURVEILLANCE CAMERA - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLS ACCESSIBLE CEILING. VERIFY HEIGHT WITH ENGINEER. CARD READER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN
_	START - STOP STATION - COORDINATE WITH EQUIPMENT PROVIDER. VARIABLE FREQUENCY DRIVE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. MAINTAIN CLEARANCES PER NFPA 70		CEILING (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) SECURITY SYSTEM MOTION DETECTOR - LONG RANGE - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM MOTION DETECTOR - WIDE RANGE - COORDINATE ROUGH-IN REQUIREMENTS WITH
Υ	CLOCK, D=DENOTES DOUBLE FACE, S=DENOTES SINGLE FACE - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING	К	SECURITY SYSTEM KEY PAD - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PU TO ACCESSIBLE CEILING SECURITY SYSTEM DOOR CONTACT - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM
NA CP	ADMINISTRATIVE PHONE - PHONE FOR SPACE PER SPECIFICATIONS NON-ADMINISTRATIVE PHONE - PHONE FOR SPACE PER SPECIFICATIONS CLASSROOM PHONE - PROVIDE PHONE FOR SPACE PER SPECIFICATIONS CEILING MOUNTED SPEAKER - PROVIDE SPEAKER BACK BOX AND CABLING	· H	SECURITY SYSTEM HORN - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULL TO ACCESSIBLE CEILING.
⊡ ⊗	INTERCOM CONTROL STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. TRUMPET SPEAKER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO		
	ACCESSIBLE CEILING. VERIFY HEIGHT WITH ENGINEER.		
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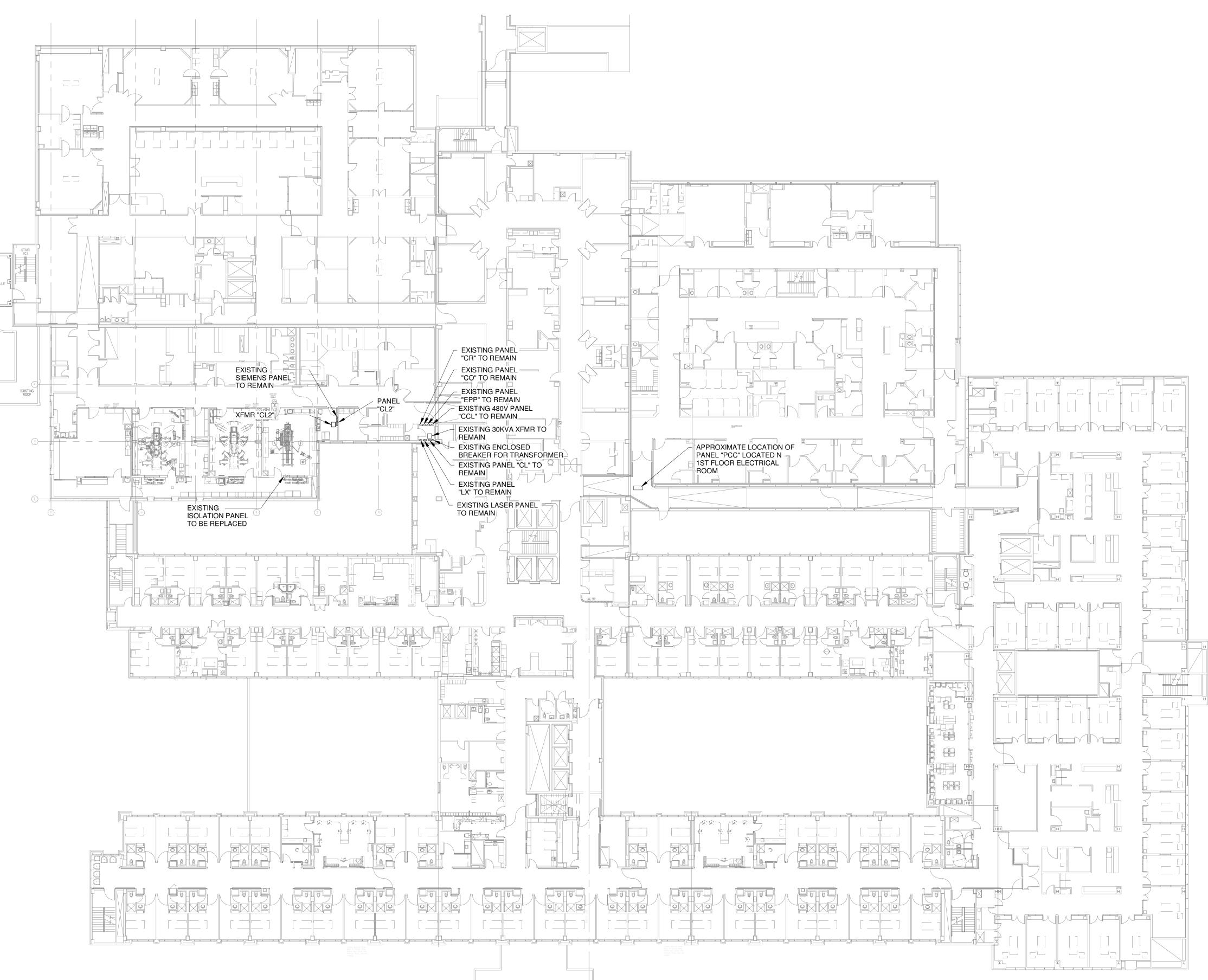
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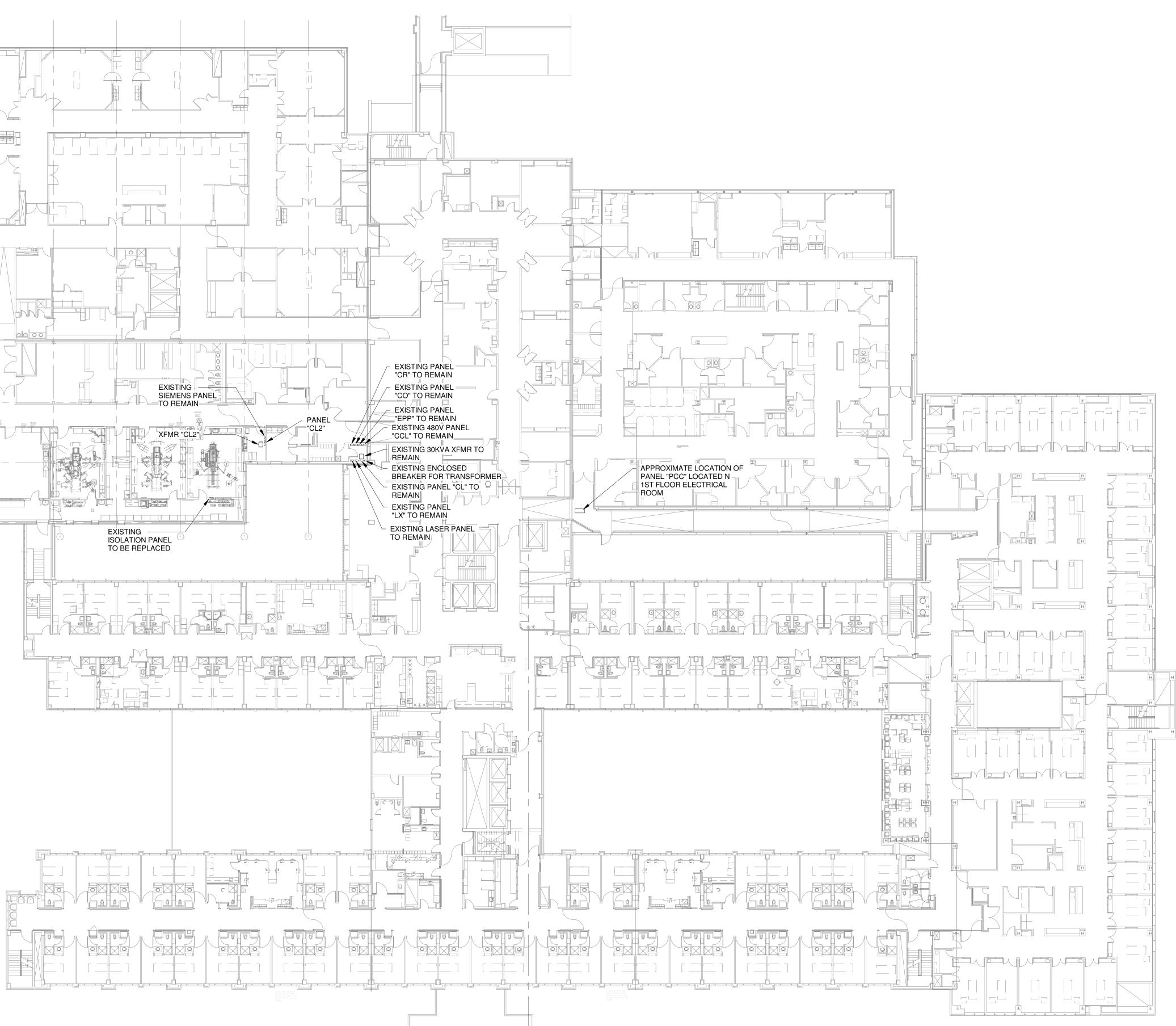
- OWNERSHIP OF DRAWINGS THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF ARCHITECTURAL ALLIANCE INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROFESSIONAL SERVICES, IS THE PROFESSIONAL SERVICES, IS THE PROFESSIONAL SERVICES, IS THE PROFESSIONAL SERVIC

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RING IN 1" C. TO ACCESSIBLE XX DENOTES CABLE TYPE AND QUANTITY;	2. 3.
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AD PROJECTOR (SEE DETAIL)	4.
TRING IN 3/4" CONDUIT TO	
RING IN 3/4" CONDUIT TO	5.
JLLSTRING IN 3/4" CONDUIT	
CABLE/PULLSTRING IN 3/4" CONDUIT	
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VE SUPERVISORY SWITCHES, COORDINATE	
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E CEILING	9.
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VITH SECURITY SYSTEM PROVIDER.	
E/PULLSTRING IN 3/4" CONDUIT	
PULLSTRING IN 3/4" CONDUIT	
	[

DELIVER ELECTRICAL GENERAL NOTES ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS ANY LOCAL CODES AND ORDINANCES. MAINTAIN PROPER WORKING SPACE CLEARANCES ABOUT ELECTRICAL EQUIPMENT PER NEC ARTICLE 110.26. FULLY COORDINATE ALL ELECTRICAL REQUIREMENTS OF EQUIPMENT BEING FURNISHED BY ALL DIVISIONS UNDER THIS CONSTRUCTION CONTRACT. EACH SYSTEM SHALL BE COMPLETE AND FULLY FUNCTIONAL. THIS INCLUDES MECHANICAL, PLUMBING, OWNER PROVIDED AND CONTRACTOR PROVIDED EQUIPMENT. CONTRACTOR TO REFER TO EQUIPMENT INSTALLATION DOCUMENTS AND SHOP DRAWINGS PRIOR TO ANY ROUGH-IN. CONTRACTOR SHALL COORDINATE CIRCUIT BREAKER AND FUSE SIZES FOR MECHANICAL EQUIPMENT PER SUBMITTED EQUIPMENT MANUFACTURER'S RECOMMENDED NAMEPLATE RATINGS PRIOR TO SHOP DRAWING PHASE OF PROJECT. INTERRUPTION OF SERVICE: BEFORE ANY EQUIPMENT IS SHUT DOWN FOR DISCONNECTING OR TIE-INS, ARRANGEMENTS SHALL BE MADE WITH THE ARCHITECT AND THIS WORK SHALL BE DONE AT THE TIME BEST SUITED TO THE OWNER. OUTAGES MUST BE SCHEDULED THROUGH THE ARCHITECT. THE ARCHITECT SHALL REVIEW EXTENT, LENGTH, AND TIMING OF OUTAGES. SERVICES SHALL BE RESTORED THE SAME DAY. PROVIDE TEMPORARY POWER OR OTHER SERVICES AS REQUIRED DURING OUTAGES. ALL OVERTIME OR PREMIUM COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE BASE BID. COORDINATE LOCATION OF ELECTRICAL EQUIPMENT WITH PIPES AND DUCT WORK BEING SUPPLIED BY OTHER DIVISIONS. THE EQUIPMENT SPACE INCLUDED ALL REFERENCED NEC CLEARANCES SHALL BE MAINTAINED. IF ANY PIPES OR DUCT WORK VIOLATE ANY ELECTRICAL CLEARANCE REQUIREMENTS, IT SHALL BE REMOVED AND RELOCATED AT THE CONTRACTOR'S EXPENSE. DRIP PANS ARE NOT PERMITTED UNLESS SPECIFICALLY CALLED FOR IN THE CONSTRUCTION DOCUMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL EQUIPMENT THAT MAY REQUIRE MAINTENANCE AND OPERATION ARE READILY ACCESSIBLE, REGARDLESS OF THE DIAGRAMMATIC LOCATION SHOWN ON THE DRAWINGS. ALL CONNECTIONS TO FIXTURES AND EQUIPMENT SHOWN ON THE DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC UNLESS OTHERWISE INDICATED BY A SPECIFIC DETAIL ON THE DRAWINGS. THE ACTUAL CONNECTIONS SHALL BE MADE TO FULLY SUIT THE REQUIREMENTS OF EACH CASE AND ADEQUATELY PROVIDE FOR SERVICING. CONTRACTOR SHALL TAMP AND BACKFILL ALL TRENCHES. TRENCHES SHALL BE LEVEL WITH FINISH GRADE. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES. CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE, DRAWINGS SHALL NOT BE SCALED, COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL. FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES. DEVICE SYMBOLS ALONG WITH DRAWINGS, DRAWING NOTES, AND SPECIFICATIONS ARE INTENDED TO PROVIDE A COMPLETE SYSTEM. CONTRACTOR TO COORDINATE WITH ALL TRADES TO PROVIDE A COMPLETE SYSTEM. 1304 BERTRAND DRIVE SUITE F7 LAFAYETTE, LOUISIANA 70506 (337) 234-7474 * FAX (337) 234-7774 Electrical Contact: David Carroll, P.E. david@meconsulting.com david@meconsulting.com CONSULTING PROJECT No.: 21197.00

196 866 866 (409) (409) TEL TATE OF TELA \mathbf{X} E *: DAVID CARROLL 137373 (/CENSED '/ONA_` David Carral 05/16/2022 ACEMENT REPL 9 QUIPMENT ш St ສ NS ш -SIC. MO 눙 В О Н Ω 4 ATH \odot ISSUED FOR SCHEMATIC DESIGN DATE:__ DESIGN DEVELOPMENT DATE: BIDS & CONSTRUCTION X DATE: 05/16/2022 REVISION: DATE:__ REVISION: DATE:_ REVISION: DATE:_ DRAWINGS SHEET TITLE ELECTRICAL LEGEND & NOTES SHEET NUMBER 20132 PROJECT NUMBER

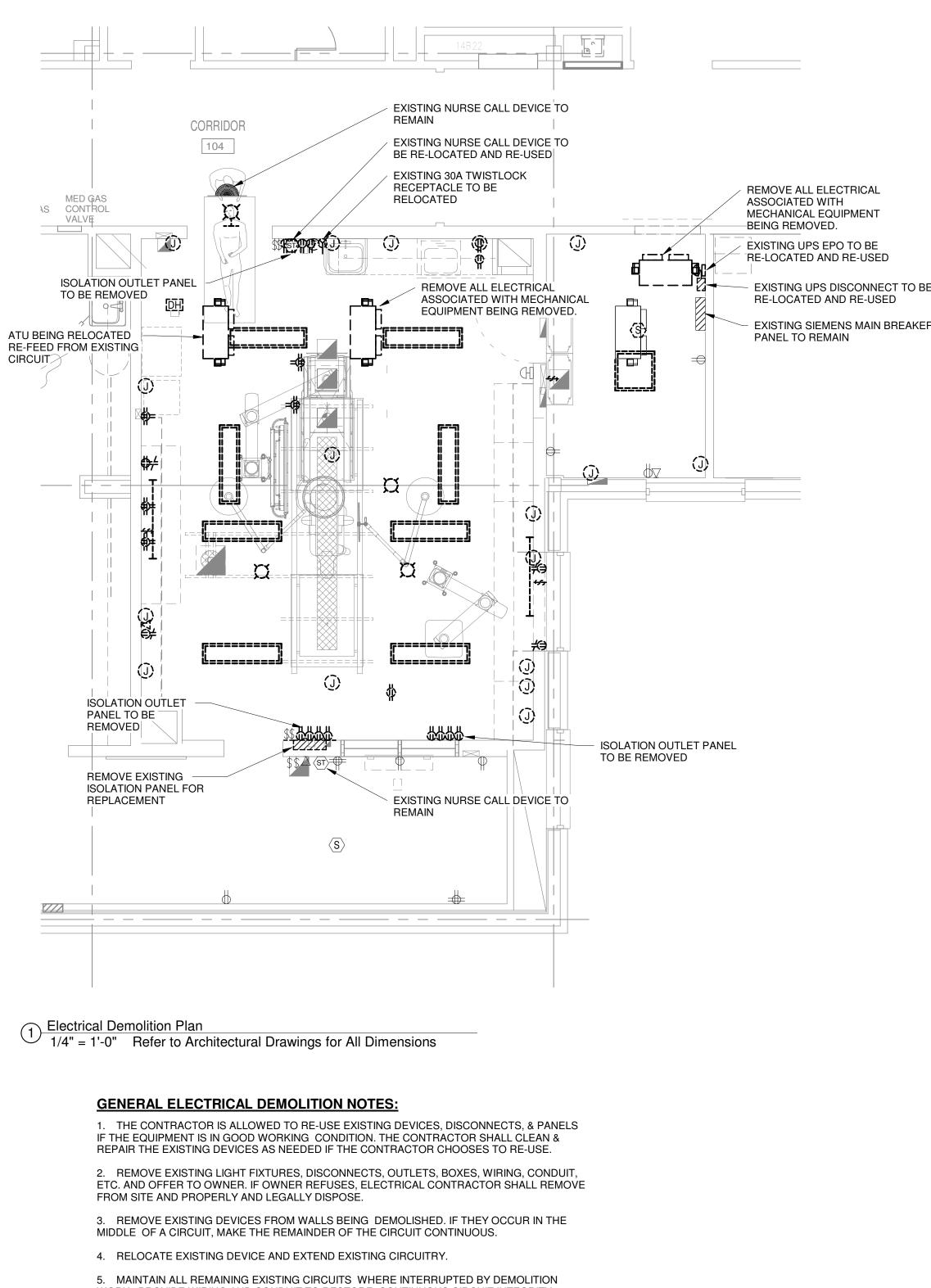




 $\underbrace{1}_{1"} \underbrace{1"}_{20'-0"} \\ \text{Refer to Architectural Drawings for All Dimensions}$

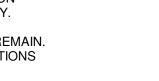


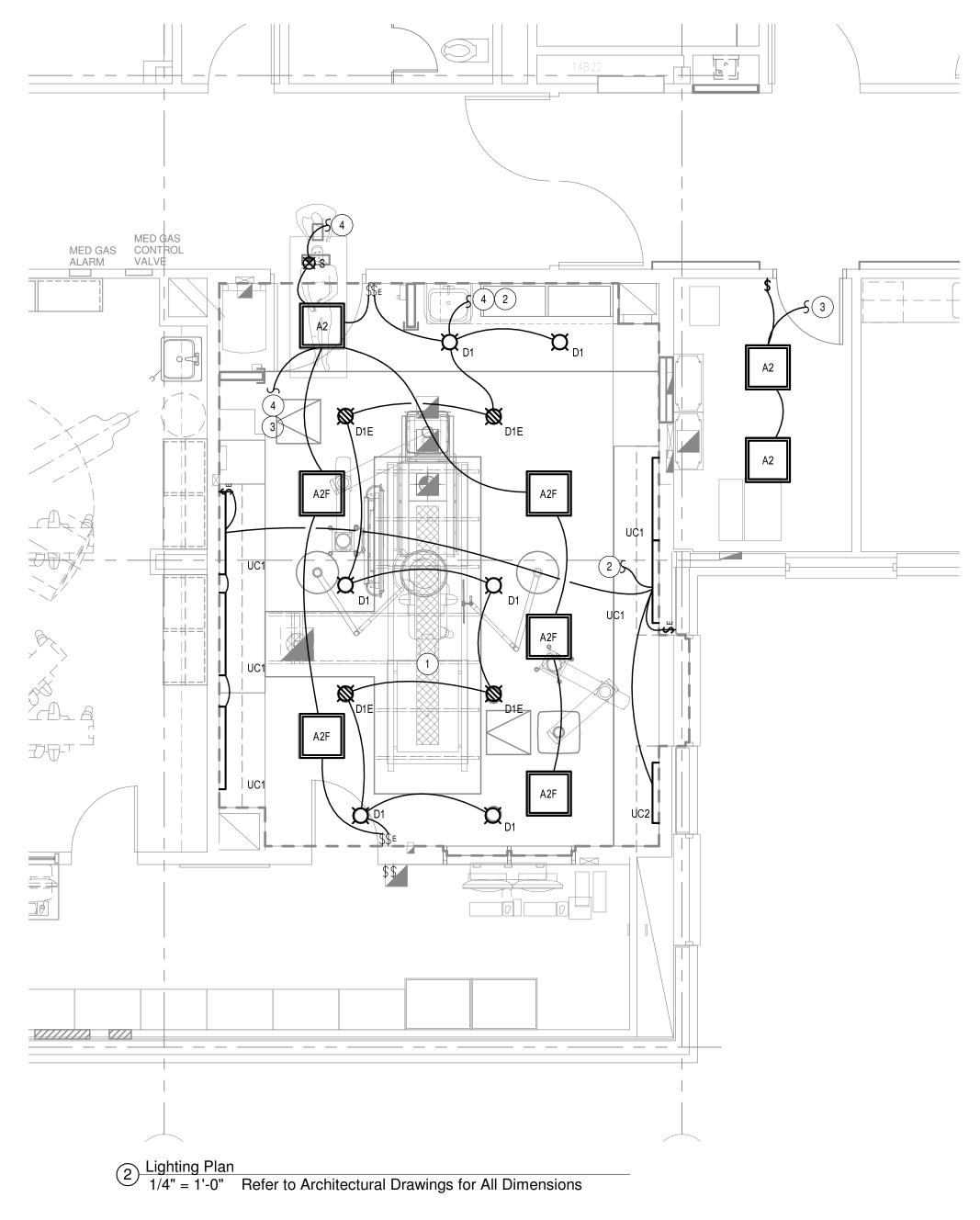




WORK. PROVIDE WIRING AND CONDUIT TO RESTORE CONTINUOUS CIRCUIT INTEGRITY.

6. PROTECT EXISTING ELECTRICAL EQUIPMENT AND INSTALLATIONS INDICATED TO REMAIN. IF DAMAGED OR DISTURBED IN THE COURSE OF THE WORK, REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL CAPACITY, QUALITY, AND FUNCTIONALITY.

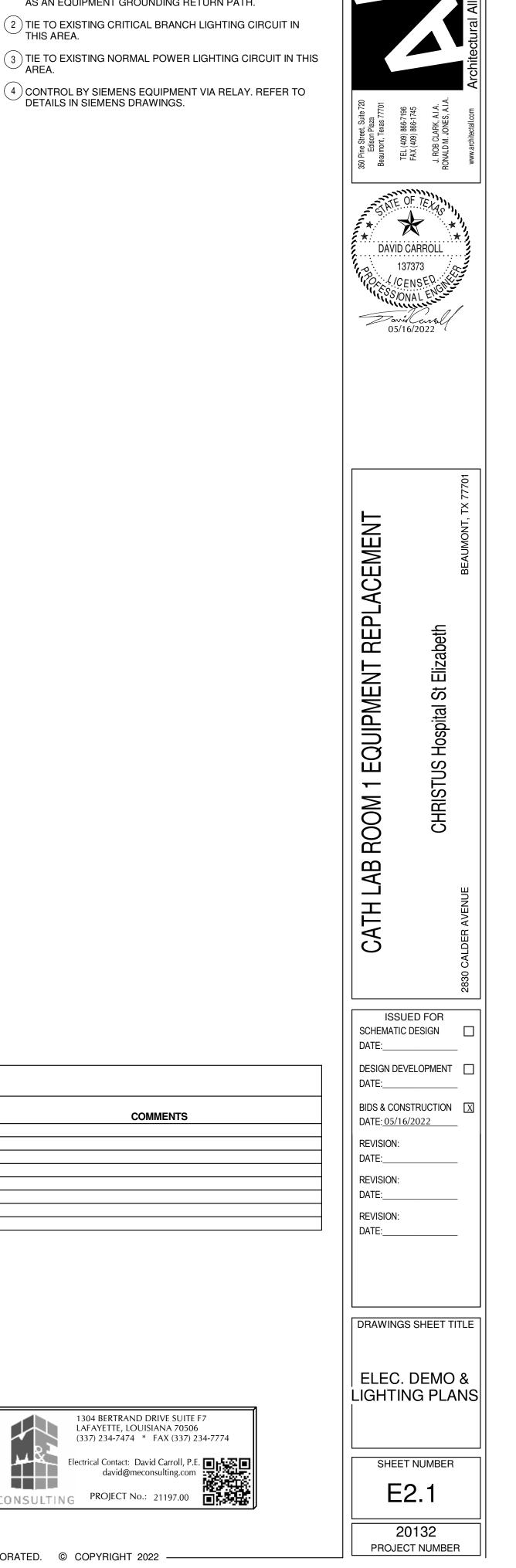




	LIGHTING FIXTURE SCHEDULE										
TYPE			LAMP								
MARK	DESCRIPTION	No.	TYPE	VOLTS	MANUFACTURER	MODEL	COMMENTS				
A2	2'x2' LED LAY-IN SEALED FLAT PANEL	-	LED	120	FAIL-SAFE	FSP-22-32-50-CP187					
A2F	2'x2' LED LAY-IN SEALED GASKETED FLAT PANEL	-	LED	120	FAIL-SAFE	FSP-22-32-50-CP187-DFCL-2424W					
D1	LED SEALED DOWN LIGHT	-	LED	120	FAIL-SAFE	FLD6BX-30-D010-FEU6B-1/2-90-50-F6LB-M-1-H					
D1E	LED SEALED DOWN LIGHT W/ BACKUP BATTERY	-	LED	120	FAIL-SAFE	FLD6BX-30-D010-IEM14-FEU6B-1/2-90-50-F6LB-M-1-H					
S	SINGLE FACE "IN USE" SIGN	-	LED	120	SURE-LITES	SLX-6-S-R-"ROOM IN USE"					
UC1	4' LED UNDER CABINET LIGHT	-	LED	120	FAIL-SAFE	UCL-4-LD4-50-89AM-ED01-UNV					
UC2	3' LED UNDER CABINET LIGHT	-	LED	120	FAIL-SAFE	UCL-3-LD4-50-89AM-ED01-UNV					

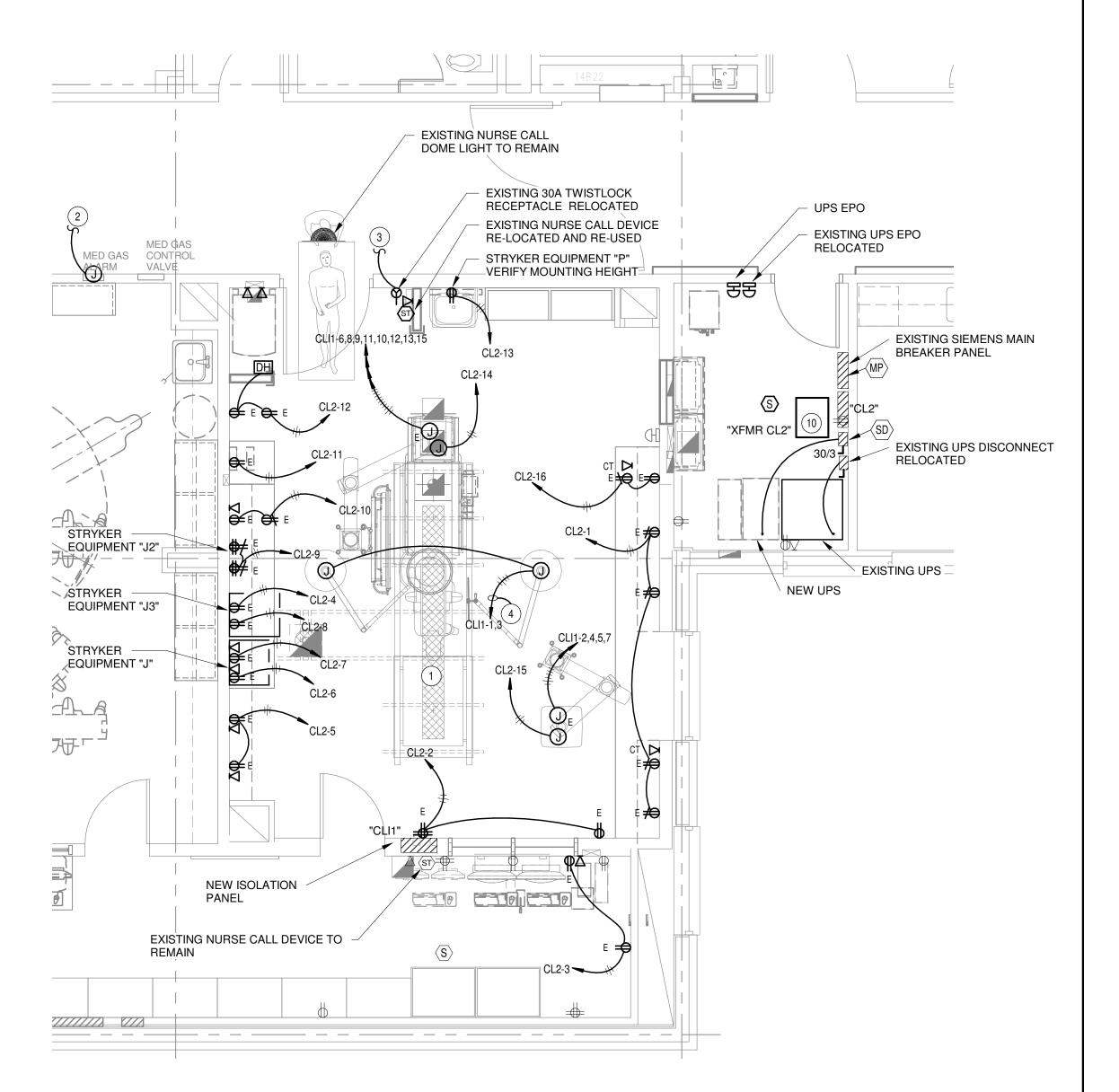


- 1) THIS SPACE IS CLASSIFIED AS A PATIENT CARE AREA PER THE NEC. BRANCH CIRCUITS SHALL BE INSTALLED PER NEC 517.13 ALL BRANCH CIRCUITS IN THIS SPACE SHALL BE INSTALLED IN EMT, RIGID METAL OR IMC WITH AN ADDITIONAL GROUND. THE CONDUIT SHALL ITSELF SERVE AS AN EQUIPMENT GROUNDING RETURN PATH.
- (2) TIE TO EXISTING CRITICAL BRANCH LIGHTING CIRCUIT IN THIS AREA.
- (3) TIE TO EXISTING NORMAL POWER LIGHTING CIRCUIT IN THIS - AREA.

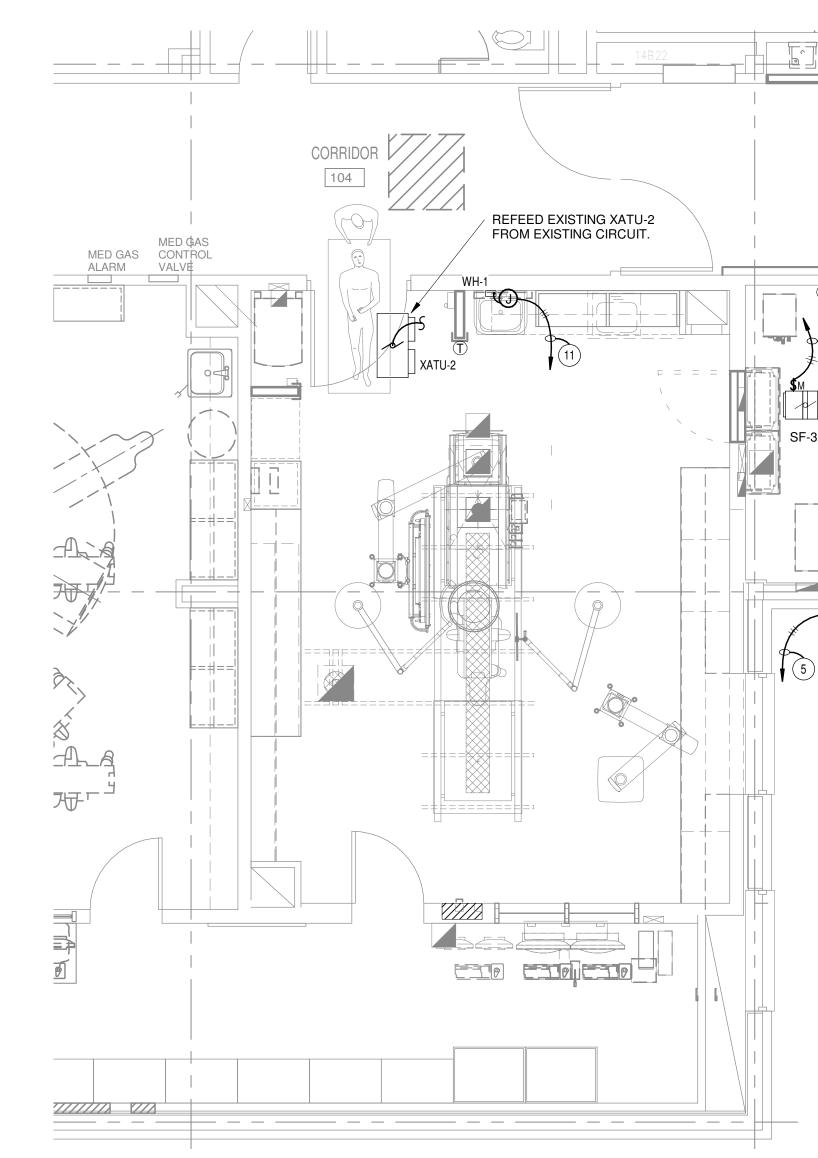








Power & Special Systems Plan1/4" = 1'-0"Refer to Architectural Drawings for All Dimensions



 $[\]textcircled{2} \frac{\text{Mechanical Power Plan}}{1/4" = 1'-0"} \text{Refer to Architectural Drawings for All Dimensions}$

GENERAL ELECTRICAL NOTES:

1. ISOLATED POWER SYSTEMS CONDUCTORS TYPE AND COLOR PER NFPA AND MANUFACTURER'S REQUIREMENTS.

ELECTRICAL NOTES:

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"XFMR CL2"

SF-3

XATU-3

30/2

 $\sim$ 

MSAHU-1

MSCU-1

- (1) THIS SPACE IS CLASSIFIED AS A PATIENT CARE AREA PER THE NEC. BRANCH CIRCUITS SHALL BE INSTALLED PER NEC 517.13 ALL BRANCH CIRCUITS IN THIS SPACE SHALL BE INSTALLED IN EMT, RIGID METAL OR IMC WITH AN ADDITIONAL GROUND. THE CONDUIT SHALL ITSELF SERVE AS AN EQUIPMENT GROUNDING RETURN PATH. PROVIDE HOSPITAL GRADE RECEPTACLES IN THIS SPACE.
- (2) TIE TO EXISTING MED GAS ALARM CIRCUIT IN THIS AREA.
- (3) TIE TO EXISTING 30A TWISTLOCK CIRCUIT FOR LASER IN THIS AREA.
- (4) CIRCUIT THROUGH STRYKER SK ENCLOSURE, VERIFY SK

ENCLOSURE LOCATION.

(5) 3/4" CONDUIT WITH 3#10 TO 30/2 BREAKER IN EXISTING PANEL "EPP". PROVIDE CIRCUIT BREAKER.

6 3/4" CONDUIT WITH 3#12 TO 20/1 BREAKER IN EXISTING PANEL "EPP". PROVIDE CIRCUIT BREAKER.

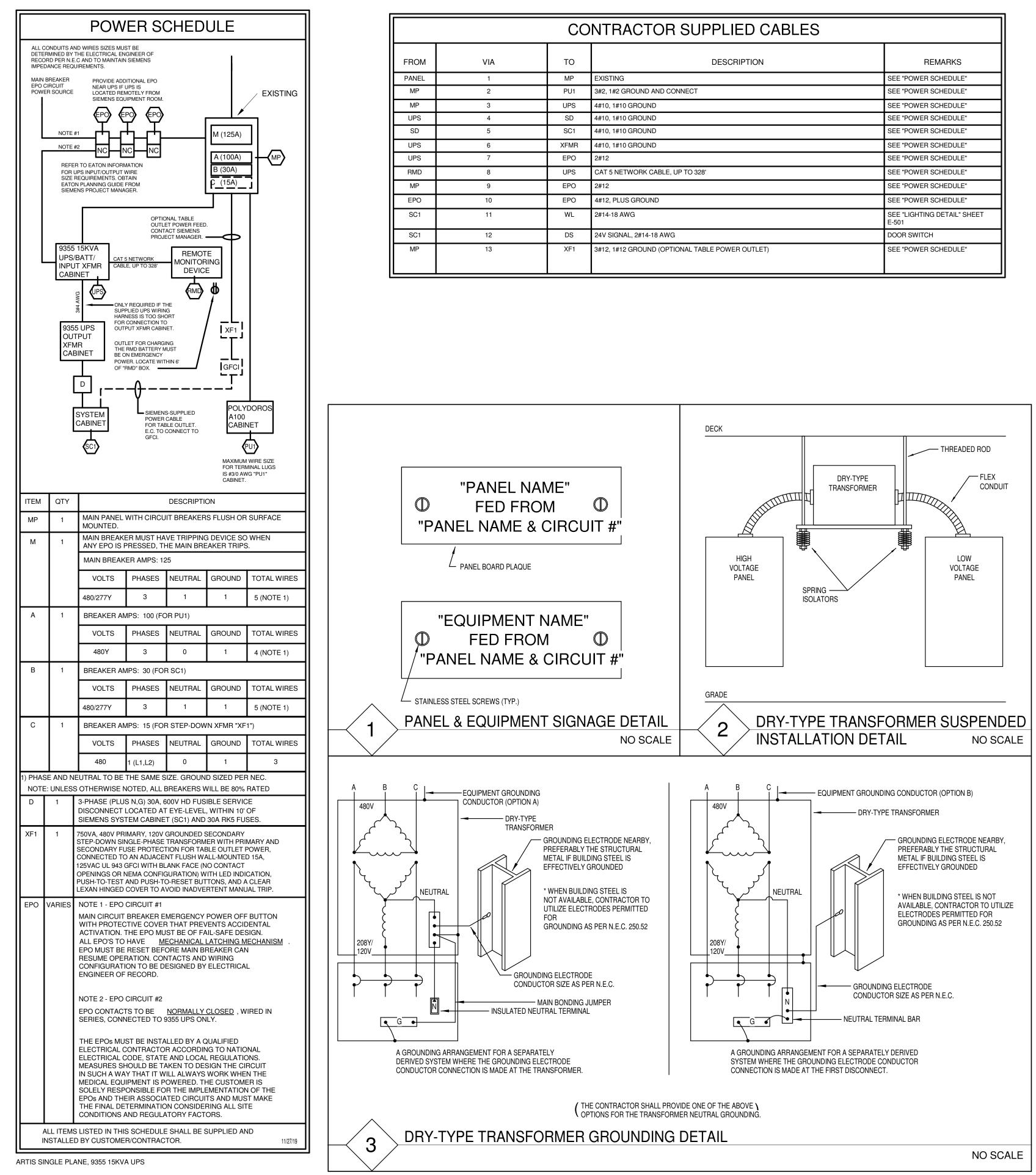
#### (7) 1/2" CONDUIT WITH 3#12 TO 20/1 BREAKER IN EITHER NORMAL BRANCH POWER PANEL "CO" OR "CR". PROVIDE CIRCUIT BREAKER.

- (8) TIE TO EXISTING EMERGENCY RECEPTACLE CIRCUIT IN THIS AREA.
- (9) 3/4" CONDUIT WITH CABLE PER MANUFACTURER.
- 10 SUSPEND FOR STRUCTURE ABOVE ACCESSIBLE CEILING. FINAL MOUNTING LOCATION TO BE VERIFIED IN FIELD.

(1) 3/4" CONDUIT WITH 2#8, 1#10 TO 40/2 BREAKER IN EITHER NORMAL BRANCH PANEL "CO" OR "CR". PROVIDE CIRCUIT BREAKER. PROVIDE PERMANENT PAD-LOCKABLE DEVICE ON CIRCUIT BREAKER FOR THE PURPOSE OF LOCKING OUT DURING MAINTENANCE ON EQUIPMENT BEING SERVED.



| C DESIGN                    |
|-----------------------------|
| ISSUED FOR<br>EMATIC DESIGN |
|                             |



| TRACTOR SUPPLIED CABLES                        |                                      |
|------------------------------------------------|--------------------------------------|
| DESCRIPTION                                    | REMARKS                              |
| XISTING                                        | SEE "POWER SCHEDULE"                 |
| #2, 1#2 GROUND AND CONNECT                     | SEE "POWER SCHEDULE"                 |
| #10, 1#10 GROUND                               | SEE "POWER SCHEDULE"                 |
| #10, 1#10 GROUND                               | SEE "POWER SCHEDULE"                 |
| #10, 1#10 GROUND                               | SEE "POWER SCHEDULE"                 |
| #10, 1#10 GROUND                               | SEE "POWER SCHEDULE"                 |
| #12                                            | SEE "POWER SCHEDULE"                 |
| AT 5 NETWORK CABLE, UP TO 328'                 | SEE "POWER SCHEDULE"                 |
| #12                                            | SEE "POWER SCHEDULE"                 |
| #12, PLUS GROUND                               | SEE "POWER SCHEDULE"                 |
| #14-18 AWG                                     | SEE "LIGHTING DETAIL" SHEET<br>E-501 |
| 4V SIGNAL, 2#14-18 AWG                         | DOOR SWITCH                          |
| #12, 1#12 GROUND (OPTIONAL TABLE POWER OUTLET) | SEE "POWER SCHEDULE"                 |

|                      |                    | ELECTRICAL LEGEND                                                                                                                                                                                                                                                                              |                                                    |
|----------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| SYM                  | SIZE               | DESCRIPTION<br>SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR                                                                                                                                                                                                                                   | REMARKS                                            |
| <b>(BII)</b>         | AS REQUIRED        | PULL BOX MOUNTED BELOW FINISHED FLOOR WITH REMOVABLE BOTTOM<br>COVER. PROVIDE 4" CONDUIT FROM BOX TO FLUSH WITH FINISHED FLOOR. PROVIDE STAINLESS<br>STEEL WATERPROOF PLATE ON TOP OF CORED OPENING IN FLOOR.                                                                                  | TABLE ACCESSORIES                                  |
| 0                    | 18" X 8"           | BUSHED OPENING IN VERTICAL DUCT "VD1" COVER AT FLOOR LINE.                                                                                                                                                                                                                                     | CABLE CABINET                                      |
| (RI)                 | 3"                 | BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".                                                                                                                                                                                                                                                | CONTROL ROOM DISTRIBUT                             |
| <b>R</b> B           | AS REQUIRED        | PULL BOX MOUNTED BELOW FINISHED FLOOR WITH REMOVABLE BOTTOM COVER. FOR A SINGLE<br>CONDUIT CONNECTION TO THIS BOX, PROVIDE A 3" CONDUIT THRU FLOOR. FOR MULTIPLE<br>CONDUIT CONNECTIONS, PROVIDE (2) 4" CONDUITS THRU FLOOR. E.C. TO DESIGN TRANSITION TO<br>SURFACE FLOOR DUCT AS REQUIRED.   | CONTROL ROOM<br>UNDER-FLOOR BOX                    |
| CUI                  | AS REQUIRED        | PULL BOX MOUNTED FLUSH IN FINISHED WALL AT 2 INCHES ABOVE SHELF HEIGHT. PROVIDE<br>BOX WITH REMOVABLE FRONT COVER AND (1) 4" BUSHING IN CENTER OF REMOVABLE COVER<br>FOR CABLE EXIT. SEE PLAN FOR LOCATION.                                                                                    | COOLING UNIT                                       |
| 01                   | AS REQUIRED        | PULL BOX MOUNTED ABOVE FINISHED CEILING WITH REMOVABLE BOTTOM COVER<br>WITH 3" BUSHED OPENING. NOTE: IF LOCAL CODES REQUIRE COMPLETE CABLE CONTAINMENT IN<br>RACEWAY, THIS BOX MUST BE SIZED SUCH THAT A 8" X 6" X 3" SIEMENS POWER DISTRIBUTION<br>BOX CAN BE INSTALLED INSIDE THIS PULL BOX. | BOOM DVI 2xBWD-19D<br>(live+ref)                   |
| (PD)                 |                    | EMERGENCY OFF BUTTONS FOR CIRCUIT BREAKERS. EPO'S MUST PREVENT RESETTING OF CIRCUIT<br>BREAKERS WHEN IN OFF POSITION. EPO'S MUST BE RECESSED OR SHIELDED. FINAL LOCATION<br>DETERMINED BY CUSTOMER                                                                                             | EMERGENCY POWER OFF                                |
|                      |                    | FIXPOINT DESIGNATION, SAME PULL BOX / OPENING AS "D1".                                                                                                                                                                                                                                         | INTERCOM COMFORT MIC                               |
|                      | AS REQUIRED        | PULL BOX MOUNTED FLUSH IN FINISHED WALL AT A RECOMMENDED HEIGHT OF 6' AFF.                                                                                                                                                                                                                     | INTERCOM COMFORT SPEA                              |
|                      | 4" CONDUIT         | BUSHED OPENING IN HORIZONTAL DUCT "HD2" COVER IN SHOWN LOCATION.                                                                                                                                                                                                                               | IMAGE SYSTEM                                       |
| <b>6</b> 2           | AS REQUIRED        | PULL BOX MOUNTED FLUSH IN FINISHED FLOOR WITH REMOVABLE TOP COVER WITH 4" BUSHED OPENING.                                                                                                                                                                                                      | IMAGE SYSTEM                                       |
|                      | 3" CONDUIT         | BUSHED OPENING IN VERTICAL DUCT "VD5" AT HEIGHT COORDINATED WITH THE INSTALLATION OF THE INJECTOR WALL CONNECTION BOX.                                                                                                                                                                         | INJECTOR WALL OUTLET                               |
| <b>I</b>             |                    | MAIN PANEL WITH MAIN BREAKER. LOCATION DETERMINED BY CUSTOMER/CONTRACTOR. SEE                                                                                                                                                                                                                  | BREAKER PANEL                                      |
| <b>P1</b>            | AS REQUIRED        | "POWER SCHEDULE"<br>PULL BOX MOUNTED ABOVE FINISHED CEILING. PROVIDE REMOVABLE BOTTOM COVER                                                                                                                                                                                                    | C-ARM                                              |
| _                    | AS REQUIRED        | WITH 8" BUSHED OPENING. PROVIDE CORRESPONDING OPENING AT CEILING LINE.<br>PULL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE. PROVIDE BOX WITH REMOVABLE                                                                                                                                    | GENERATOR                                          |
|                      |                    | FOUL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE. PROVIDE BOX WITH REMOVABLE<br>FRONT COVER WITH 4" BUSHED OPENING AT BOTTOM OF COVER.                                                                                                                                                    |                                                    |
|                      | AS REQUIRED        | SINGLE-GANG RJ45 JACK                                                                                                                                                                                                                                                                          | UPS REMOTE DISPLAY                                 |
| <b>S</b> CI <b>)</b> | AS REQUIRED        | PULL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE. PROVIDE BOX WITH REMOVABLE<br>FRONT COVER WITH 4" BUSHED OPENING AT BOTTOM OF COVER.                                                                                                                                                    | SYSTEM CABINET                                     |
| <b>S</b> C           | AS REQUIRED        | PULL BOX MOUNTED BELOW FINISHED FLOOR WITH REMOVABLE BOTTOM<br>COVER, PROVIDE 6" CONDUIT FROM BOX TO FLUSH WITH FINISHED FLOOR WITH BUSHING AT FLOOR LINE.                                                                                                                                     | SYSTEM CABINET                                     |
| <b>SD</b>            | 30A                | 3-PHASE (PLUS N,G) 30A, 600V HD FUSIBLE SERVICE DISCONNECT LOCATED AT EYE-LEVEL,                                                                                                                                                                                                               | UPS SERVICE DISCONNECT                             |
| _                    |                    | WITHIN 10' OF SIEMENS SYSTEM CABINET (SC1) AND 30A RK5 FUSES. SEE POWER SCHEDULE.                                                                                                                                                                                                              |                                                    |
|                      | AS REQUIRED        | PULL BOX MOUNTED BELOW FINISHED FLOOR WITH REMOVABLE BOTTOM<br>COVER. PROVIDE 4" CONDUIT FROM BOX TO FLUSH WITH FINISHED FLOOR WITH BUSHING AT FLOOR LINE.                                                                                                                                     | TABLE                                              |
| <b>P</b>             | AS REQUIRED        | PULL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE. PROVIDE BOX WITH REMOVABLE<br>FRONT COVER WITH 4" BUSHED OPENING.                                                                                                                                                                       | 15KVA UPS                                          |
| <b>(F)</b>           | 750VA              | STEP-DOWN TRANSFORMER. SEE POWER SCHEDULE.                                                                                                                                                                                                                                                     | XFMR FOR TABLE OUTLET                              |
|                      | 2" CONDUIT         | BUSHED OPENING IN HORIZONTAL DUCT "HD1" COVER IN SHOWN LOCATION.                                                                                                                                                                                                                               | XWP LD INPUT                                       |
|                      | 3 1/2" X 10"       | HORIZONTAL DUCT MOUNTED ON FINISHED WALL AT FLOOR LINE. PROVIDE DUCT WITH<br>REMOVABLE FRONT COVER. CONNECT TO "VD3" AS SHOWN.                                                                                                                                                                 | HORIZONTAL WALL DUCT                               |
|                      | 3 1/2" X 18"       | VERTICAL DUCT MOUNTED FLUSH IN FINISHED WALL. BEGIN DUCT AT FLOOR LINE AND EXTEND<br>UP WALL ABOVE FINISHED CEILING. PROVIDE JUNCTION BOX (SIZED BY E.C.) AT TOP OF DUCT<br>FOR CONDUIT TRANSITIONS.                                                                                           | VERTICAL DUCT                                      |
| VD2 VD3              | 3 1/2" X 10"       | VERTICAL DUCT MOUNTED FLUSH IN FINISHED WALL. BEGIN DUCT AT FLOOR LINE AND EXTEND<br>UP WALL ABOVE FINISHED CEILING. PROVIDE JUNCTION BOX (SIZED BY E.C.) AT TOP OF DUCT<br>FOR CONDUIT TRANSITIONS.                                                                                           | VERTICAL DUCT                                      |
| VD4                  | 3 1/2" X 6"        | VERTICAL DUCT MOUNTED FLUSH IN FINISHED WALL. BEGIN DUCT AT FLOOR LINE AND EXTEND<br>UP WALL ABOVE FINISHED CEILING. PROVIDE JUNCTION BOX (SIZED BY E.C.) AT TOP OF DUCT<br>FOR CONDUIT TRANSITIONS.                                                                                           | VERTICAL DUCT                                      |
|                      | EXISTING<br>1 1/2" |                                                                                                                                                                                                                                                                                                | SEE "POWER SCHEDULE"                               |
| 2<br>3               | 1 1/2              | CONDUIT FROM "MP" TO "PU1"<br>CONDUIT FROM "MP" TO "UPS" WITH FLEX CONDUIT FROM UPS BOX TO UPS CABINET.                                                                                                                                                                                        | SEE "POWER SCHEDULE"                               |
| 4                    | 1"                 | CONDUIT FROM "UPS" TO "SD" WITH FLEX CONDUIT FROM UPS BOX TO OUTPUT XFMR CABINET.                                                                                                                                                                                                              | SEE "POWER SCHEDULE"                               |
| 5                    | 1"                 | CONDUIT FROM "SD" TO "SC1"                                                                                                                                                                                                                                                                     | SEE "POWER SCHEDULE"                               |
| 6                    | 1"                 | FLEX CONDUIT FROM UPS CABINET TO OUTPUT TRANSFORMER CABINET                                                                                                                                                                                                                                    | SEE "POWER SCHEDULE"                               |
| $\bigcirc$           | 3/4"               | CONDUIT FROM "UPS" TO "EPO" WITH FLEX CONDUIT FROM UPS BOX TO UPS CABINET.                                                                                                                                                                                                                     | SEE "POWER SCHEDULE"                               |
| <u>8</u><br>9        | 3/4"               | CONDUIT FROM "RMD" TO "UPS" CONDUIT FROM "MP" TO "EPO"                                                                                                                                                                                                                                         | SEE "POWER SCHEDULE"                               |
|                      | 3/4"               | CONDUIT FROM "EPO" TO "EPO"                                                                                                                                                                                                                                                                    |                                                    |
| (1)                  | 3/4"               | CONDUIT FROM "SC1" TO "WL"                                                                                                                                                                                                                                                                     |                                                    |
| 12                   | 3/4"               | CONDUIT FROM "SC1" TO "DS"                                                                                                                                                                                                                                                                     |                                                    |
|                      | 3/4"               | CONDUIT FROM "MP" TO "XF1" (OPTIONAL)                                                                                                                                                                                                                                                          | TABLE POWER OUTLET                                 |
|                      | 2"                 | CONDUIT FROM "P1" TO "VD1" (PU1)                                                                                                                                                                                                                                                               | MAX. CONDUIT LENGTH 25'                            |
| (15)<br>(16)         | (2) 3"             | CONDUITS FROM "P1" TO "VD1" (PU1)<br>CONDUIT FROM "P1" TO "VD1" (SC1)                                                                                                                                                                                                                          | MAX. CONDUIT LENGTH 25'<br>MAX. CONDUIT LENGTH 25' |
|                      | 2 1/2"             | CONDUIT FROM "P1" TO "CU1" FOR LIQUID COOLING HOSES                                                                                                                                                                                                                                            | MAX. CONDUIT LENGTH 25                             |
| 18                   | (2) 3"             | CONDUITS FROM "VD1" ("SC1") TO "VD3" ("CR1")                                                                                                                                                                                                                                                   | MAX. CONDUIT LENGTH 35'                            |
| 19                   | 3"                 | CONDUIT FROM "SC" (SC1) TO "T1" UNDER FLOOR                                                                                                                                                                                                                                                    | MAX. CONDUIT LENGTH 33'                            |
| 20                   | 2"                 | CONDUIT FROM "VD1" (SC1) TO "CU1"                                                                                                                                                                                                                                                              | MAX. CONDUIT LENGTH 80'                            |
| 21                   | 1"                 | CONDUIT FROM "VD1" (SC1) TO "D1"                                                                                                                                                                                                                                                               | MAX. CONDUIT LENGTH 80'                            |
| 2                    | 2 1/2"             | CONDUIT FROM "VD1" (SC1) TO "D1"                                                                                                                                                                                                                                                               | MAX. CONDUIT LENGTH 44'                            |
| <u>(3)</u>           | 2"                 | CONDUIT FROM "VD2" (IS) TO "D1"                                                                                                                                                                                                                                                                | MAX. CONDUIT LENGTH 63'                            |
| 24                   | 1"                 |                                                                                                                                                                                                                                                                                                | MAX. CONDUIT LENGTH 62'                            |
| 25<br>26             | 3"                 | CONDUIT FROM "IS2" ("IS") TO "CRB" ("CR1") UNDER FLOOR                                                                                                                                                                                                                                         | MAX. CONDUIT LENGTH 48'                            |
|                      | 2"<br>3"           | CONDUIT FROM "IS2" ("IS") TO "CRB" ("CR1") UNDER FLOOR<br>CONDUIT FROM "CRB" TO "T1" UNDER FLOOR (VOLCANO S5i CABLE SET FOR PHILIPS<br>INTRASIGHT)                                                                                                                                             | MAX. CONDUIT LENGTH 48'<br>MAX. CONDUIT LENGTH 75' |
| 28                   | 3"                 | CONDUIT FROM "VD1" (SC1) TO "VD4" ("IW") (INJECTOR WALL CONNECTION)                                                                                                                                                                                                                            | MAX. CONDUIT LENGTH 38'                            |
| 29                   | 3/4"               | CONDUIT FROM "VD3" (CR1) TO "IC" (INTERCOM)                                                                                                                                                                                                                                                    | MAX. CONDUIT LENGTH 66'                            |
| 30                   | 3/4"               | CONDUIT FROM "VD3" (CR1) TO "IC2" (INTERCOM)                                                                                                                                                                                                                                                   | MAX. CONDUIT LENGTH 60'                            |
| 31                   | 3"                 | CONDUIT FROM "T1" TO "B10" UNDER FLOOR                                                                                                                                                                                                                                                         |                                                    |
| 32                   | 3"                 | CONDUIT FROM "CRB" TO "B10" UNDER FLOOR (CUSTOMER PATIENT MONITORING)                                                                                                                                                                                                                          |                                                    |
| 33                   | 1/2"               | CONDUIT FROM "XF1" TO "SC1" (THEN "SC" AND ROUTE THROUGH CONDUIT #19 TO "T1")<br>(OPTIONAL TABLE POWER OUTLET)                                                                                                                                                                                 | MAX. CONDUIT LENGTH 64'                            |
| 34                   | 2"                 | CONDUIT FROM "VD2" (IS) TO "CUSTOMER MONITOR" (LIVE+REF VIDEO TO OEM OPTION)                                                                                                                                                                                                                   | MAX. CONDUIT LENGTH 98'                            |
| (35)                 | 3"                 | CONDUIT FROM "SC" ("SC1") TO "IS2" ("IS") UNDER FLOOR                                                                                                                                                                                                                                          | MAX. CONDUIT LENGTH 56'                            |

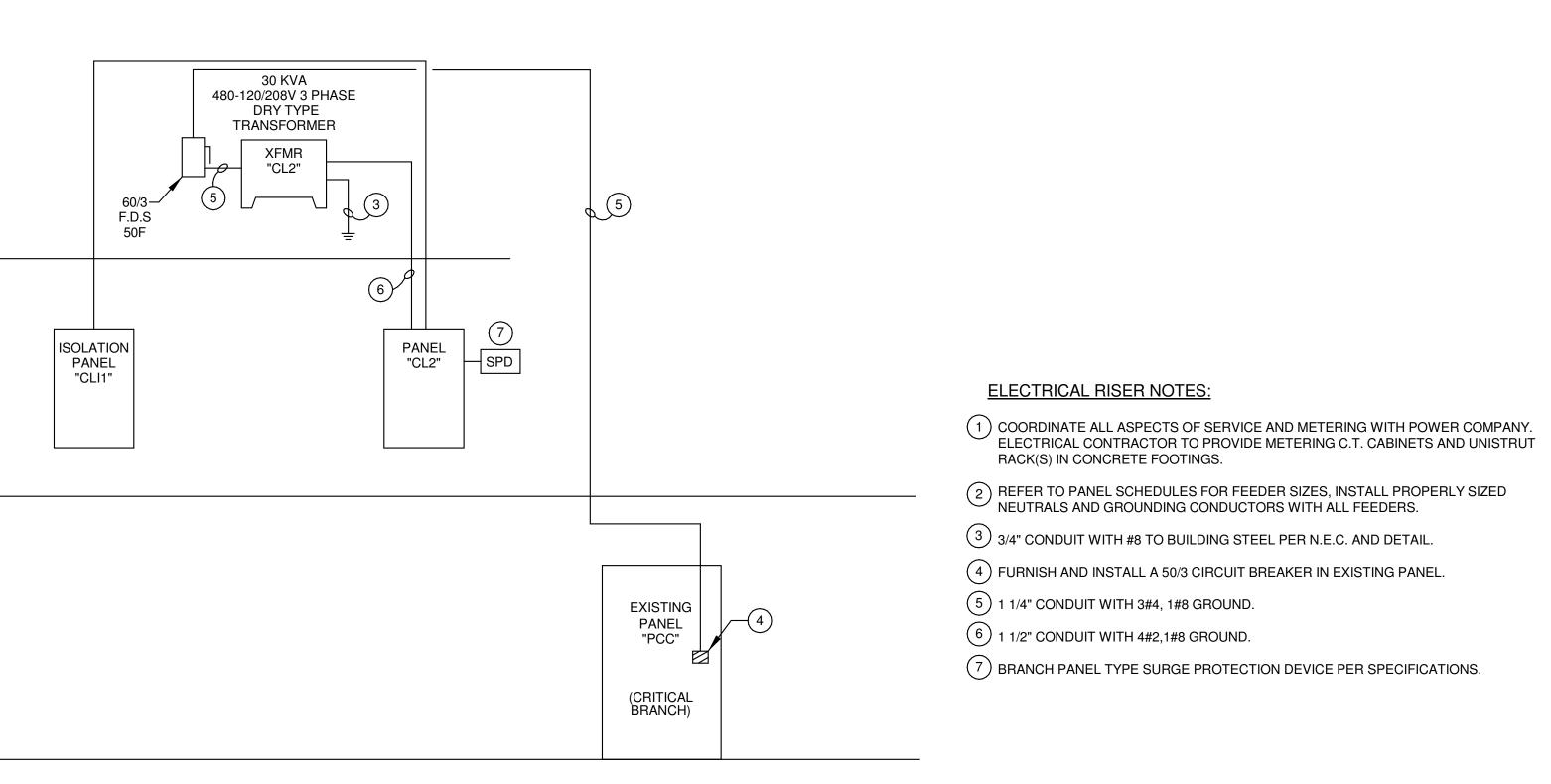
\* SEE SIEMENS ELECTRICAL SHEET E-101 FOR REFERENCE.





|       | lso                                                                    | olat     | io   | P      | rimar    | r <b>y V</b> | oltage: 208<br>oltage: 120<br>KVA: 7.5 | SV/2P     |     | S       | Primary Ma<br>econdary Ma<br>A.I.C.(MII<br>A.I.C.(PR | in: 80A/2<br>N): | 2P          |     |
|-------|------------------------------------------------------------------------|----------|------|--------|----------|--------------|----------------------------------------|-----------|-----|---------|------------------------------------------------------|------------------|-------------|-----|
| скт   | Circuit Description                                                    | Rating/F | Pole |        | A        |              | В                                      |           | C   | C       | Rating/Pole                                          | Circui           | Description | скт |
| 1     | Stryker Surgical Lights                                                | 20 A /   |      | 500    | 250      | )            |                                        |           |     |         | 20 A / 2                                             |                  | Boom "E"    | 2   |
| 3     |                                                                        |          |      |        |          |              |                                        | 500.      |     | 250     |                                                      |                  |             | 4   |
| 5     | Stryker Boom "E"                                                       | 20 A /   | 2    | 250    | 250      | )            |                                        |           |     |         | 20 A / 2                                             | Stryker I        | Boom "D"    | 6   |
| 7     |                                                                        |          |      |        |          |              |                                        | 250.      |     | 250     |                                                      |                  |             | 8   |
| 9     | Stryker Boom "D"                                                       | 20 A /   | 2    | 250    | 250      | )            |                                        |           |     |         | 20 A / 2                                             | Stryker I        | Boom "D"    | 10  |
| 11    |                                                                        |          |      |        |          |              |                                        | 250.      |     | 250     |                                                      |                  |             | 12  |
| 13    | Stryker Boom "D"                                                       | 20 A /   | 2    | 250    | 0 V      | Ά            |                                        |           |     |         | 20 A / 2                                             | Spare            |             | 14  |
| 15    |                                                                        |          |      |        |          |              |                                        | 250.      |     | 0 VA    |                                                      |                  |             | 16  |
| 17    |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             | 18  |
| 19    |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             | 20  |
| 21    |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             | 22  |
| 23    |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             | 24  |
| 25    |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             | 26  |
| 27    |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             | 28  |
| 29    |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             | 30  |
| 31    |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             | 32  |
|       |                                                                        | Total Lo |      |        | (VA      |              | 0 kVA                                  |           |     | VA      | -                                                    |                  |             |     |
|       |                                                                        | Total An | nps: | 33     | 3 A      |              | 0 A                                    |           | 33  | 8 A     |                                                      |                  |             |     |
| Load  | Classification                                                         |          | Cor  | nected | <b>1</b> | Der          | nand Facto                             | r Estin   | na  | ted     |                                                      | Panel            | Totals      |     |
| Recep |                                                                        |          |      | 000 VA |          |              | 100.00%                                |           |     | VA      |                                                      |                  |             |     |
|       |                                                                        |          |      |        |          |              |                                        |           |     |         | Total Con                                            | n. Load:         | 4 kVA       |     |
|       |                                                                        |          |      |        |          |              |                                        |           |     |         | Total Est. D                                         | emand:           | 4 kVA       |     |
|       |                                                                        |          |      |        |          |              |                                        |           |     |         | Tota                                                 | I Conn.:         | 33 A        |     |
|       |                                                                        |          |      |        |          |              |                                        |           |     |         | Total Est. D                                         | emand:           | 33 A        |     |
|       |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             |     |
|       |                                                                        |          |      |        |          |              |                                        |           |     |         |                                                      |                  |             |     |
| SPECI | :<br>_ BRANCH CIRCUITS IN<br>FIC CONDUCTOR TYP<br>_ WIRE TYPE IS COPPE | ES.      |      |        |          |              |                                        | ידוע אודו | H # | ‡12 CON | NDUCTORS. S                                          | SEE SPE          | CIFICATIONS | FOR |

ACCESSIBLE CEILING



CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS....

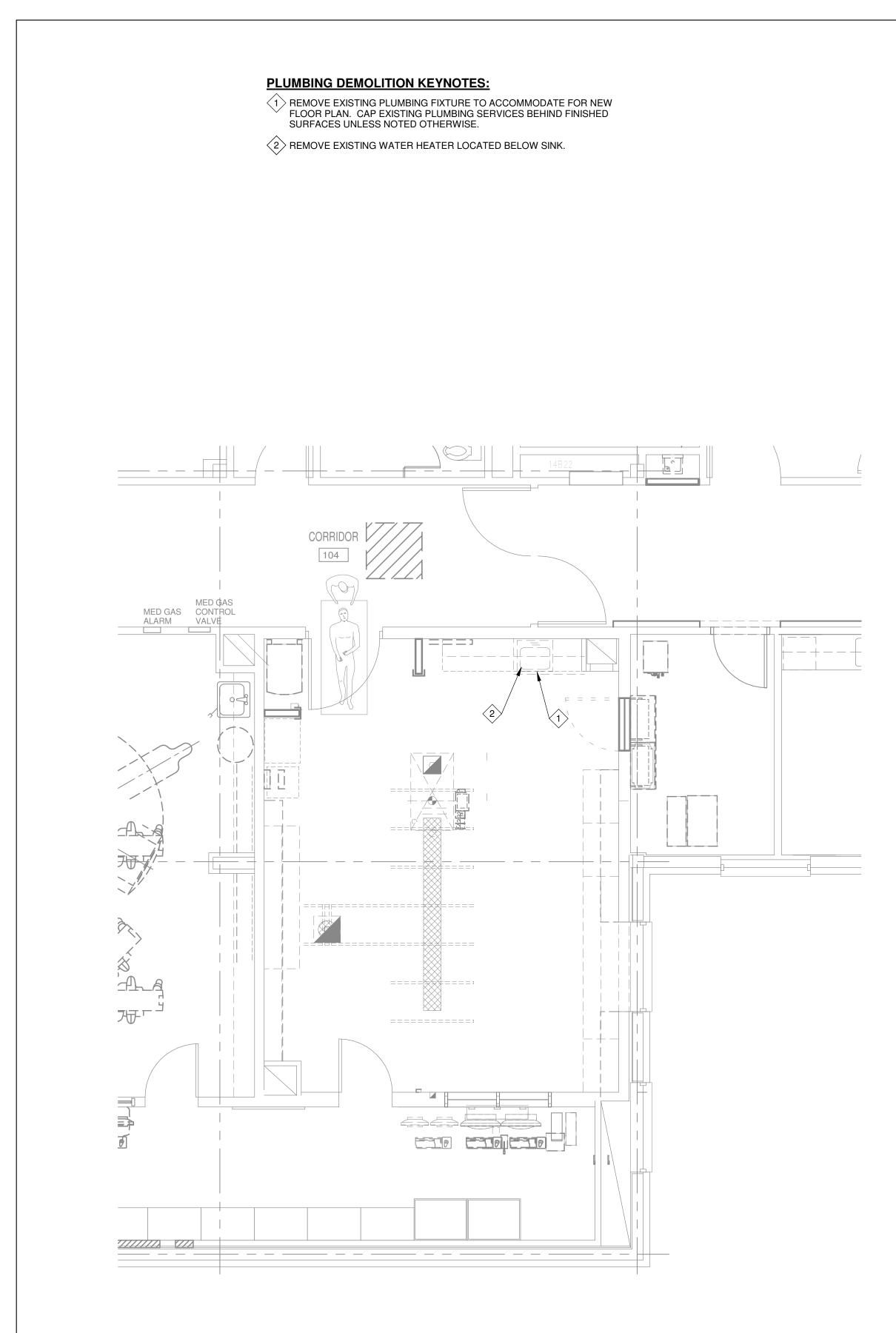
2ND FLOOR

GRADE

| lotes #<br>1<br>3<br>5<br>7<br>9<br>11 | Rec(East Wall)<br>Receptacles | Breaker      | Verify pr | oper wo  | orking |        |        |        |       |        |                 |          |             |                      |    |    |
|----------------------------------------|-------------------------------|--------------|-----------|----------|--------|--------|--------|--------|-------|--------|-----------------|----------|-------------|----------------------|----|----|
| 1<br>3<br>5<br>7<br>9<br>11            | Rec(East Wall)<br>Receptacles |              |           |          |        | g clea | rance  | es per | N.E.C | . pric | or to insta     | llation. |             |                      |    |    |
| 3<br>5<br>7<br>9<br>11                 | Receptacles                   | 00.04        | Wire      | C.       |        | A      | E      | в      |       | 5      | C.              | Wire     | Breaker     | Circuit Description  | #  | No |
| 5<br>7<br>9<br>11                      | · ·                           | 20 A/1       | 3#12      | 3/4"     | 720    | 540    |        |        |       |        | 3/4"            | 3#12     | 20 A/1      | Rec(South Wall)      | 2  |    |
| 7<br>9<br>11                           | Bec(West Wall)                | 20 A/1       | 3#12      | 3/4"     |        |        | 360    | 180    |       |        | 3/4"            | 3#12     | 20 A/1      | Rec(Stryker J3)      | 4  |    |
| 9<br>11                                |                               | 20 A/1       | 3#12      | 3/4"     |        |        |        |        | 360   | 180    | 3/4"            | 3#12     | 20 A/1      | Rec(Stryker J)       | 6  |    |
| 11                                     | Rec(Stryker J)                | 20 A/1       | 3#12      | 3/4"     | 180    | 180    |        |        |       |        | 3/4"            | 3#12     | 20 A/1      | Rec(Stryker J3)      | 8  |    |
|                                        | Rec(Stryker J2)               | 20 A/1       | 3#12      | 3/4"     |        |        | 400    | 360    |       |        | 3/4"            | 3#12     | 20 A/1      | Rec(West Wall)       | 10 |    |
| 10                                     | Receptacles                   | 20 A/1       | 3#12      | 3/4"     |        |        |        |        | 180   | 360    | 3/4"            | 3#12     | 20 A/1      | Rec(West Wall)       | 12 |    |
| 13                                     | Rec(Stryker P)                | 20 A/1       | 3#12      | 3/4"     | 180    | 500    |        |        |       |        | 3/4"            | 3#12     | 20 A/1      | Stryker Boom D Motor | 14 |    |
| 15                                     | Stryker Boom E Motor          | 20 A/1       | 3#12      | 3/4"     |        |        | 500    | 360    |       |        | 3/4"            | 3#12     | 20 A/1      | Rec(East Wall)       | 16 |    |
| 17                                     | Isolation Panel "CLI1"        | 50 A/2       | 2#6, 1#10 | 1"       |        |        |        |        | 2000  | 0      |                 |          | 20 A/1      | Spare                | 18 |    |
| 19                                     |                               |              |           |          | 2000   | 0      |        |        |       |        |                 |          | 20 A/1      | Spare                | 20 |    |
| 21                                     | Space                         | /1           |           |          |        |        |        | 0      |       |        |                 |          | 20 A/1      | Spare                | 22 |    |
| 23                                     | Space                         | /1           |           |          |        |        |        |        |       | 0      |                 |          | 20 A/1      | Spare                | 24 |    |
| 25                                     | Space                         | /1           |           |          |        | 0      |        |        |       |        |                 |          | 20 A/1      | Spare                | 26 | -  |
| 27                                     | Space                         | /1           |           |          |        |        |        | 0      |       |        |                 |          | 20 A/1      | Spare                | 28 | -  |
| 29                                     | Space                         | /1           |           |          |        |        |        |        |       | 0      |                 |          | 20 A/1      | Spare                | 30 |    |
| 31                                     | Space                         | /1           |           |          |        |        |        |        |       |        |                 |          | /1          | Space                | 32 |    |
| 33                                     | Space                         | /1           |           |          |        |        |        |        |       |        |                 |          | /1          | Space                | 34 |    |
| 35                                     | Space                         | /1           |           |          |        |        |        |        |       |        |                 |          | /1          | Space                | 36 |    |
| 37                                     | SPD                           | 60 A/3       | (4)       | (4)      | 0      |        |        |        |       |        |                 |          | /1          | Space                | 38 |    |
| 39                                     |                               |              |           |          |        |        | 0      |        |       |        |                 |          | /1          | Space                | 40 |    |
| 41                                     |                               |              |           |          |        |        |        |        | 0     |        |                 |          | /1          | Space                | 42 |    |
|                                        |                               |              | Tota      | al Load: |        | νA     | 2 k    | νA     |       | VA     |                 |          |             |                      |    | -  |
|                                        |                               |              |           | Amps:    |        | 7 A    |        | 3 A    |       | Α      |                 |          |             | Descal Tatala        |    |    |
| Load Clas                              | ssification                   |              | Connec    | ted Loa  | d      |        | and Fa |        | Est   |        | d Deman<br>0 VA |          |             | Panel Totals         |    |    |
| receptaci                              |                               |              | 904       | UVA      |        |        | 0.007  | /0     |       | 904    | 0 VA            |          | Total Conr  | n. Load: 10 kVA      |    |    |
|                                        |                               |              |           |          |        |        |        |        |       |        |                 |          |             | emand: 10 kVA        |    |    |
|                                        |                               |              |           |          |        |        |        |        |       |        |                 |          | Total       | Conn.: 26 A          |    |    |
|                                        |                               |              |           |          |        |        |        |        |       |        |                 | 1        | otal Est. D | emand: 26 A          |    |    |
|                                        |                               |              |           |          |        |        |        |        |       |        |                 |          |             |                      |    |    |
| Damal Cal                              | hedule Notes: (Notes be       | امير مام سما |           | <u></u>  |        | nol    |        |        |       |        |                 |          |             |                      |    |    |

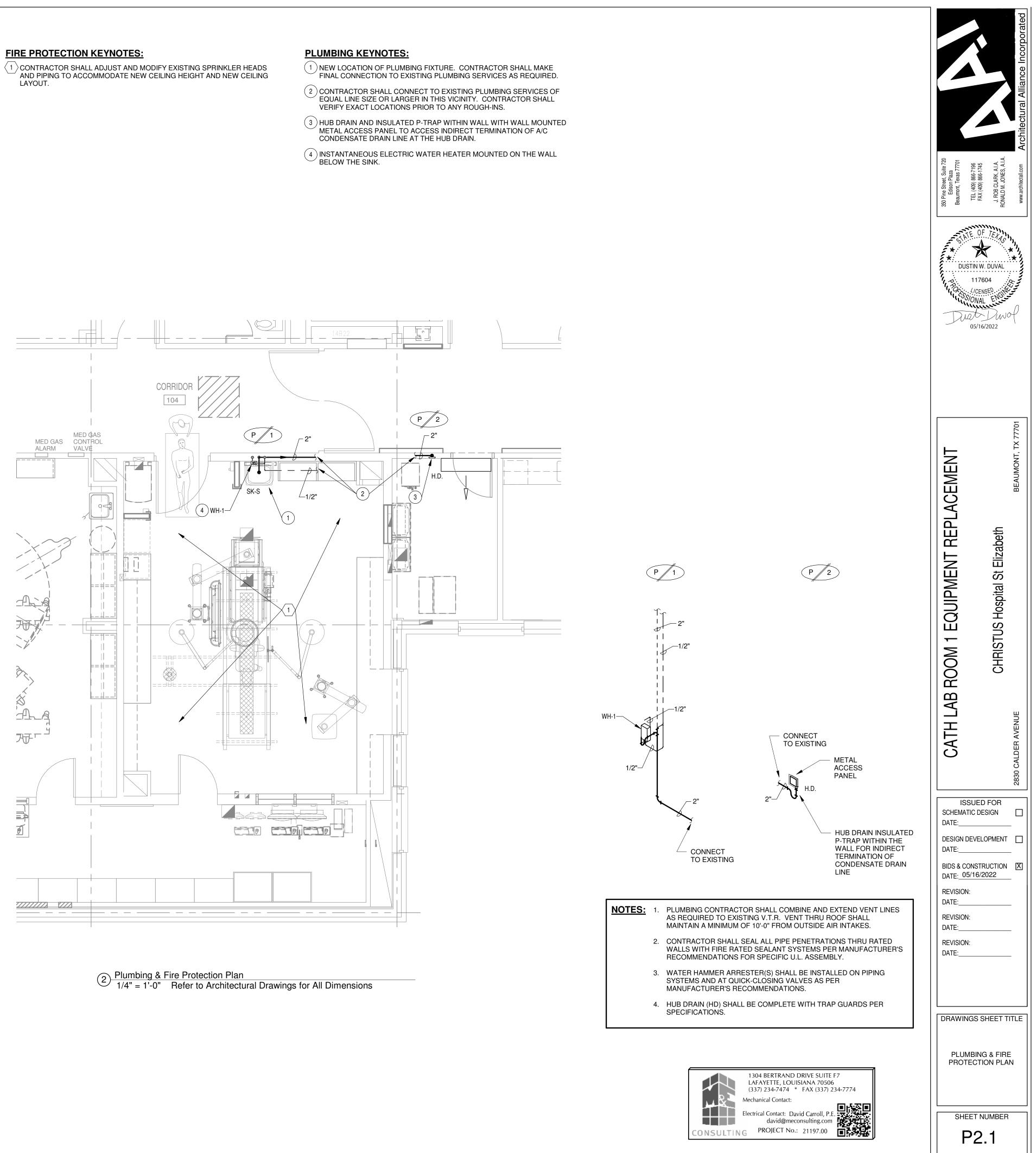
| 350 Pine Street, Suite 720<br>Edison Plaza<br>Beaumont, Texas 77701                                             | TEL (409) 866-1745<br>FAX (409) 866-1745<br>J. ROB CLARK, AI.A.<br>RONALD M. JONES, A.I.A. | www.architectal.com Architectural Alliance Incorporated |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------|
| DAV                                                                                                             | E OF TELAS                                                                                 | ۲77701 × ۲۰۰۰ ۲۵۱۵ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰        |
| CATH LAB ROOM 1 EQUIPMENT REPLACEMENT                                                                           | CHRISTUS Hospital St Elizabeth                                                             | 2830 CALDER AVENUE BEAUMONT, TX 77701                   |
| SCHEMA<br>DATE:<br>DESIGN I<br>DATE:<br>BIDS & C<br>DATE:<br>REVISION<br>DATE:<br>REVISION<br>DATE:<br>REVISION | N:                                                                                         |                                                         |
| ELE                                                                                                             | CTRICA<br>EL SCHE<br>D RISEF                                                               | L                                                       |
| E                                                                                                               | EET NUMBER<br><b>5.1</b><br>20132<br>JECT NUMBE                                            |                                                         |





1 Plumbing Demolition Plan1/4" = 1'-0" Refer to Architectural Drawings for All Dimensions

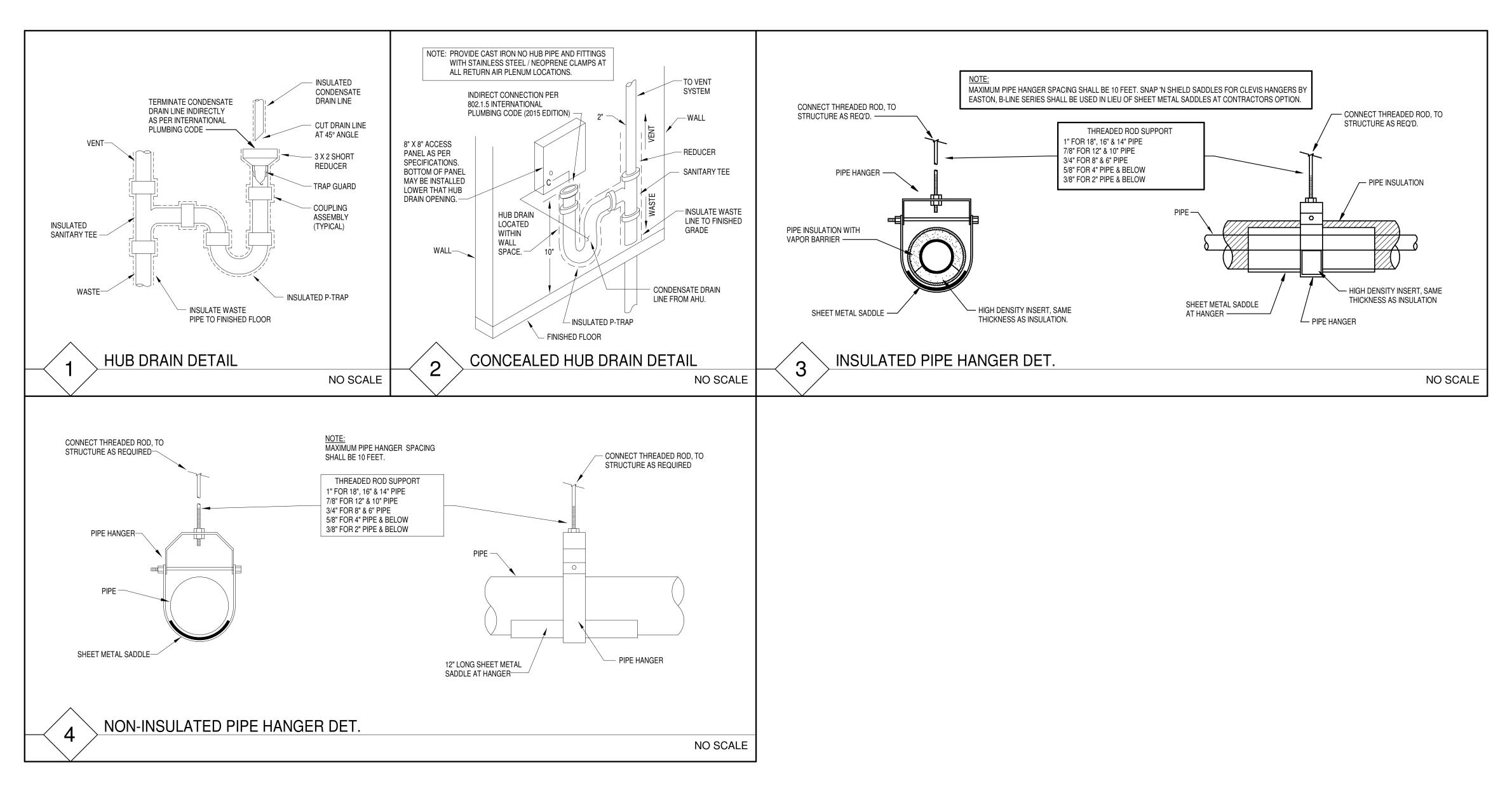
#### FIRE PROTECTION KEYNOTES:



20132 PROJECT NUMBER

LABEL

H.D. SK-S



### PLUMBING FIXTURE SCHEDULE

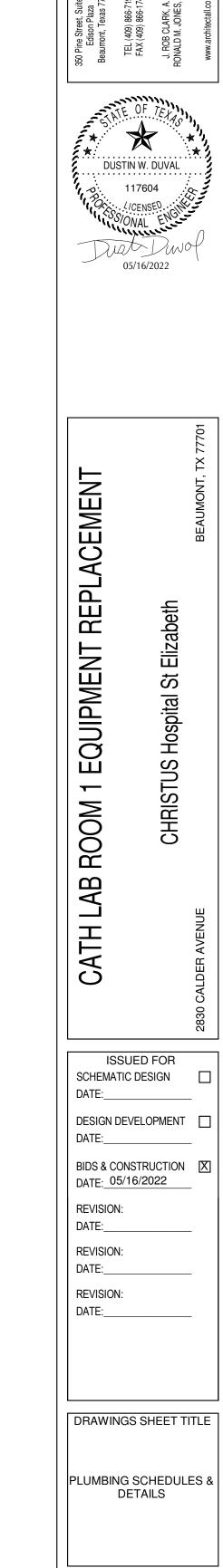
|              | MANUFACTURER                                          |      | PIPE CON | NECTION |        | SPECIFICATION                                                                                                                                                                                                    |
|--------------|-------------------------------------------------------|------|----------|---------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FIXTURE TYPE | MANUFACIURER                                          | C.W. | H.W.     | WASTE   | VENT   | SPECIFICATION                                                                                                                                                                                                    |
|              |                                                       |      |          |         |        |                                                                                                                                                                                                                  |
| HUB DRAIN    | SURESEAL SS2009V, TRAP GUARD TG-22IP, MIFAB MI-GARD-2 | -    | -        | 2"      | 1 1/2" | DRAIN TRAP SEALER FOR 2" DIAMETER CONDENSATE HUB DRAIN                                                                                                                                                           |
| SCRUB SINK   | ELKAY EWS3120KC                                       | 1/2" | 1/2"     | 2"      |        | STAINLESS STEEL WALL HUNG SINGLE BOWL, 14 GAUGE 304 STA<br>BELOW SINK. OVERALL DIMENSION 31" X 19-1/2" X 24-3/8"; WITH E<br>LK-18B PERFORATED 3-1/2" GRID STRAINER, MCGUIRE 8912 1-1/2"<br>PERIMETER OF FIXTURE. |

|          |                   |                       |             | WATE                   | ER HEATE              | R SCHEDULE            |
|----------|-------------------|-----------------------|-------------|------------------------|-----------------------|-----------------------|
| UNIT NO. | SERVICE           | CAPACITY<br>(GALLONS) | ELECTRIC KW | TEMPERATURE<br>SETTING | ELECTRICAL<br>SERVICE | COMMENTS              |
| WH-1     | SCRUB SINK "SK-S" | TANKLESS              | 6.24        | 110°F                  | 208-1-60              | CHRONOMITE CM-30L/208 |

STAINLESS STEEL WITH A BUFFED SATIN FINISH, CENTER DRAIN WITH WALL HANGER AND MOUNTING BRACKETS TH ELKAY LK397C KNEE CONTROL AND ELKAY LK395A SPOUT WITH 0.5 GPM LANIMAR FLOW CONTROL, ELKAY 1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG; 3/8" ANGLE SUPPLIES WITH STOPS. CAULK AROUND

08, STIEBEL ELTRON OR PRIOR APPROVED EQUAL

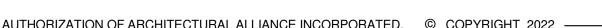




SHEET NUMBER

20132 PROJECT NUMBER

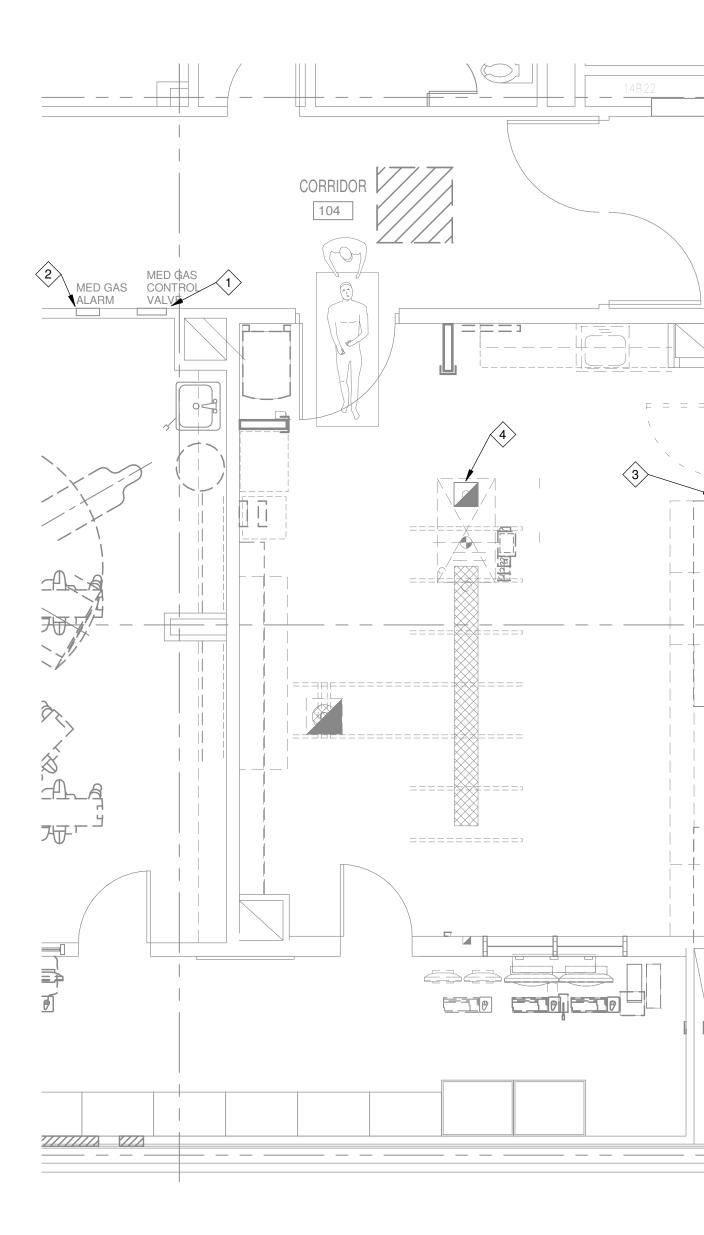
P3.1



#### MEDICAL GAS DEMOLITION KEYNOTES:

REMOVE EXISTING MEDICAL GAS ZONE VALVE BOX AND REPLACE WITH NEW.

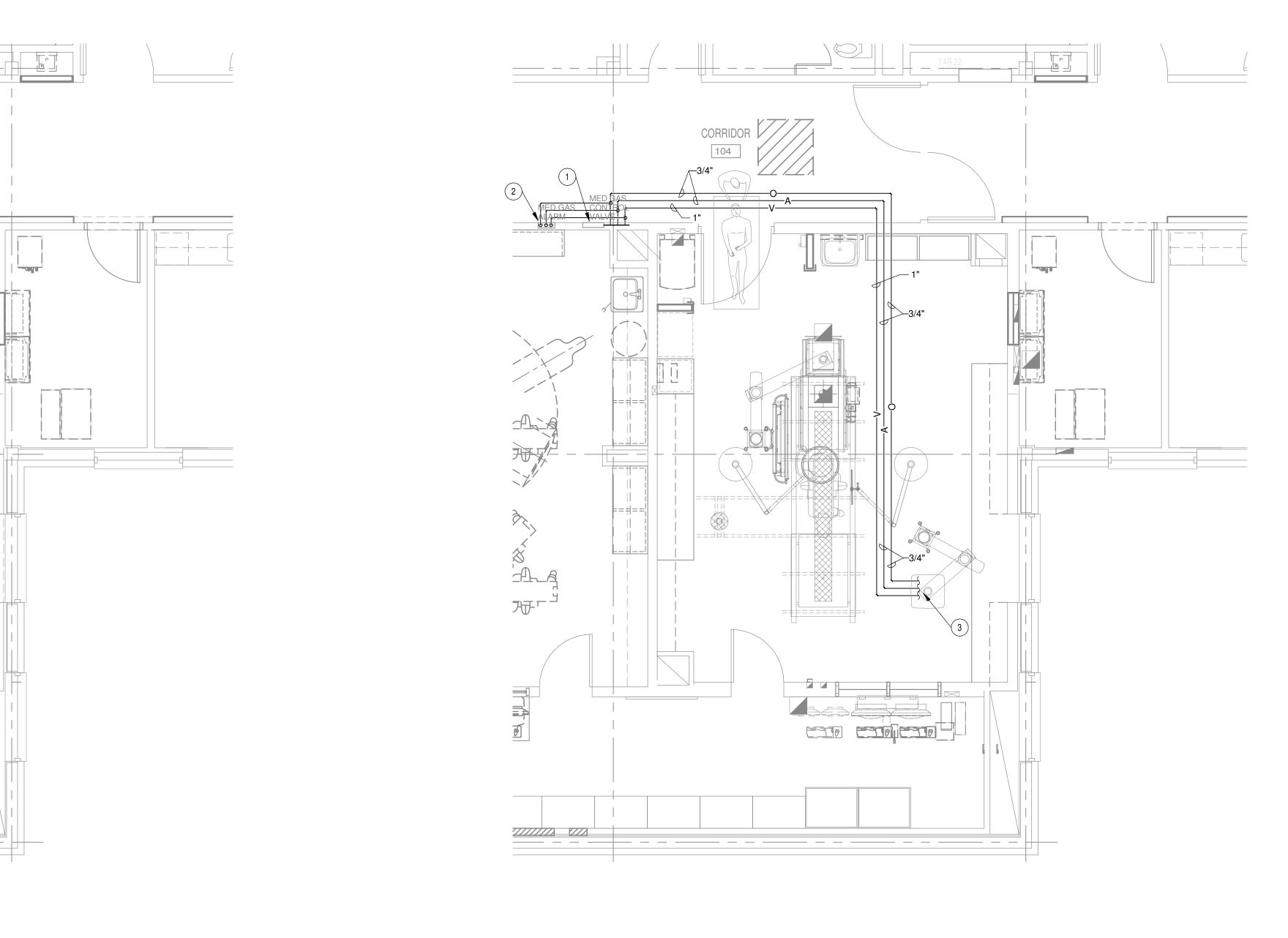
- 2 REMOVE EXISTING MEDICAL GAS ALARM PANEL AND REPLACE WITH NEW.
- 3 REMOVE EXISTING WALL MOUNTED MEDICAL GAS OUTLETS AND CAP LINES BEHIND FINIHSED SURFACES AS REQUIRED.
- REMOVE EXISTING MEDICAL GAS FLOOR MOUNTED BOX AND CAP LINES BEHIND FINISHED SURFACES AS REQUIRED.



 $\underbrace{1}_{1/4"} = 1'-0"$  Refer to Architectural Drawings for All Dimensions

#### MEDICAL GAS KEYNOTES:

- 1 NEW MEDICAL GAS WALL MOUNTED ZONE VAVLE BOX TO MATCH EXISTING CATH LAB 2 OR BEACONMEDAES MODEL ZVB-3-BC-ENG. CONTRACTOR SHALL CONNECT TO EXISTING MEDICAL GAS PIPING AS REQUIRED.
- 2 NEW MEDICAL GAS ALARM PANEL TO MATCH EXISTING CATH LAB 2 OR BEACONMEDAES MODEL M3-A10-OAV. CONTRACTOR SHALL CONNECT TO EXISTING MEDICAL GAS PIPING AS REQUIRED.
- <sup>3</sup> MEDICAL GAS LINES SHALL CONNECT TO EQUIPMENT SUPPLIED BY STRYKER COMMUNICATIONS. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH EQUIPMENT SUPPLIER AND MAKE FINAL CONNECTIONS AS REQUIRED.



 $\textcircled{2} \frac{\text{Medical Gas Plan}}{1/4" = 1'-0"} \quad \text{Refer to Architectural Drawings for All Dimensions}$ 



| 350 Pine Street, Suite 720<br>Edison Plaza<br>Beaumont, Texas 77701                                                              | LET (409) 886-7196<br>FAX (409) 886-1745<br>IN M. DU<br>117604 | Der Construction of the second structure and second structure and second structure and second structure and second seco | www.architectall.com Architectural Alliance Incorporated |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| CATH LAB ROOM 1 EQUIPMENT REPLACEMENT                                                                                            |                                                                | CHRISTUS Hospital St Elizabeth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2830 CALDER AVENUE                                       |
| SCHEMATI<br>DATE:<br>DESIGN DE<br>DATE:<br>BIDS & COI<br>DATE:<br>REVISION:<br>DATE:<br>REVISION:<br>DATE:<br>REVISION:<br>DATE: | EVELOPN<br>NSTRUC<br>16/2022                                   | DR<br>N<br>//ENT<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |
| N                                                                                                                                |                                                                | BER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          |